

October 23, 2013

Attorney Michael A. Mintzer
Assistant Regional Counsel
New York/Caribbean Superfund Branch
Office of Regional Counsel
United States Environmental Protection Agency, Region II
290 Broadway, 17th Floor
New York, New York 10007-1866

Ms. Caroline Kwan
Remedial Project Manager
New York Remediation Branch
Emergency and Remedial Response Division
United States Environmental Protection Agency, Region II
290 Broadway, 20th Floor
New York, New York 10007-1866

Re: Newtown Creek Superfund Site, Kings County and Queens County, New York
Request for Information Pursuant to the Comprehensive Environmental Response,
Compensation, and Liability Act, 42 U.S.C. §§ 9601 – 9675
GeoQuest Project No. 1531

Gentlemen/Ladies:

We are in receipt of the Newtown Creek Superfund Site "Request for Information Letter" addressed to English Kills Ventures, LLC, regarding property commonly known as Morgan Terminal and located at 192-200 Morgan Avenue, Brooklyn, New York. The Owners have asked that we respond to your office relative to the request for information.

Attached are our responses to the questions posed in the order they were presented. If you have any questions, please call me at (860) 243-1757 or email me at bhughes@geoquestinc.com.

Very truly yours,
GEOQUEST, INC.

Bill Hughes
Bill Hughes
Engineer

Attachments

Cc: English Kills Ventures

227121



ENVIRONMENTAL PROTECTION AGENCY
REQUEST FOR INFORMATION
MORGAN TERMINAL
200 MORGAN AVE.
BROOKLYN, NEW YORK

Prepared for

English Kills Venture, LLC
5014 16th Avenue - Suite 110
Brooklyn, New York 11219

GeoQuest Project No. 1531.

October 10, 2013

REQUEST FOR INFORMMATION

Section 1.0 Company Information

1. Company Identification. Provide the following information with respect to the Company (see Definition 7.b and please provide a response with respect to each entity).

- a. *The full legal, corporate name and mailing address.*

The corporation name and mailing address is English Kills Ventures LLC, a foreign limited liability company registered with the New York State Department of State, Division of Corporations with an address at 10103 Fondren Road, Suite 425, Houston, Texas, 77096.

- b. *The state and date of incorporation of the Company, the date of qualification to do business in the State of New York and the Company's agents for service of process in the state of incorporation and the State of New York.*

The Company's Legal Agent is Vcorp Services C/O 10101 Fondren Road, Suite 515, Houston, Texas 77096. The Corporation was filed with the Secretary of State in Texas on September 9, 2008 and with the Secretary of State in New York on November 12, 2009.

- c. *The identity of the Chief Executive Officer or other presiding officer of the Company.*

There is no presiding officer/CEO of the Company. Title is held under a Limited Liability Company, English Kills Ventures LLC, and owned by RANBAM Trust, its Sole Member.

- d. *If the Company is a successor to any other entity by merger, asset or stock acquisition, change of name or other activity, identify each predecessor and identify the nature of the succession.*

The Company is not a successor to any other entity

- e. *If the Company is a subsidiary or division of another entity, identify each parent entity.*

The Company is not a subsidiary or division of another entity.

2. Future EPA Communications: *If the addressee of this letter requests that future communications from EPA regarding the Site be sent to a particular individual or office, provide the name, address, telephone number, e-mail address and capacity of such individual or office.*

In the future, communications from the EPA regarding the Site should be sent

to the attention of:

William Hughes
Engineer
GeoQuest, Inc.
3 Barnard Lane - Suite 203
Bloomfield, Connecticut
Tel. (860) 243-1757
Fax. (860) 243-9414
eMail bhughes@geoquestinc.com

and to the attention of:

Robert H. Feller Esq.
Bond, Schoeneck, & King PLLC
111 Washington Avenue,
Albany, New York
Tel. (518) 533 3222
Fax. (518) 533 3262
eMail rfeller@bsk.com

Section 2.0 Company and Principal's Owner/Operator Information of the Facility and Newtown Creek

3. *Company's Relationship to the Facility.* *Identify the Company's relationship to the Facility, including:*

- a. *The Company's ownership and operational interest in the Facility including the corporate identity of the entity that holds or held such interest.*

The corporate identity of the entity that holds the ownership of the Facility is English Kills Ventures LLC who holds no operational interests in the Facility.

- b. *Dates of acquisition , disposition and operation of the Facility and the identity and relationship, if any, between the Company and the transferor and transferee.*

The property was acquired on November 23, 2008 pursuant to a bankruptcy auction. To the best of our knowledge, the Facility was out of service circa 1991-1992. No known relationship exists/existed between the beneficiaries of the transferor and the transferee.

- c. *Provide a copy of all deeds evidencing the acquisition or disposition of the Facility and of all leases relating to the operation of the Facility.*

A copy of the deeds, obtained from the New York City Tax Records (internet

on-line information) and relating to the acquisition of the property known as 200 Morgan Avenue, consisting of the parcels identified as Block 2942, Lots: 101, 157, 160, 207, 220 is included in the appendix. The properties listed under the "Definitions" section of the Request for Information [section 9(a)] include the five lots listed above plus an additional four lots (Block 2942, Lots: 201, 221, 223, and 301) which are not part of Morgan Terminal and, to the best of our knowledge, have never been part of Morgan Terminal. Responses to this question, and to all questions in this "Request for Information" are in regard to the five parcels listed above and only those parcels (Block 2942, Lots: 101, 157, 160, 207, and 220). We have no knowledge or information concerning historic leases. All current leases, relating to the operation of the Facility, are written and relate to the lease of space.

- d. *Identify any affiliates (see Definition 8) of the Company that may own or conduct business at the Facility (see Definition 9.a) or any Other Newtown Creek Property (see Definition 9.b), and for any such affiliate, identify the nature of the relationship between the Company and the affiliate and the activities conducted by the affiliate at the Facility or at the Other Newtown Creek Property.*

There are no affiliates.

4. Operations at the Facility.

- a. *Please identify the principal business operations conducted at the Facility by the Company and by any other individual or business organization operating at the Facility during the entire period that the Company operated at the Facility. Without limitation, identify scaffolding business operations and the status of those operations.*

The principal business operations conducted at the Facility by the Company, since the Company acquired the Facility, have been real estate property rental and environmental clean-up of the Facility (as directed by the Order on Consent NYSDEC File No. R2-20120806-475). The business rentals operating at the Facility, include: Scaffolding One (scaffolding rental and storage starting 2006 and ending 2011); BQP, LLC (Piling Contractor rental starting in 2011); Ferry Boat "Schamonchi" owner Jonathan Yaney (bulkhead space rental starting 2012); Brooklyn Coach Services, Inc., "Lucky Star" Bus Line (rental starting 2012); and Re-Co Brklyn LLC (wood-sawing company rental starting 2012).

- b. *If any business activities are no longer engaged in at the Facility, please specify the period during which they occurred.*

Scaffolding One, Inc. rented a portion of the eastern two thirds of the site from 2006 to 2011. At one time, they occupied approximately 80% of the site.

- c. *Please indicate on the Facility Plan (see question 5, below, and Definition 12.a) the areas that such activities were engaged in at the Facility and identify all infrastructure employed in such activities.*

Facility Plans (see response to question 5 (a)(i) below) with hand drawn sketches, showing areas in which business rental activities were engaged, are attached. To avoid confusion, there are two plans: one plan, labeled "Facility Plan No. 1", is dated 2006 - 2011, and shows a representational outline of the area occupied by Scaffolding One; the other plan, labeled "Facility Plan No. 2", is dated 2011 - 2013, and shows the approximate areas occupied by all current business operations.

- d. *List all trade names or fictitious names used in the conduct of any business at the Facility.*

Trade names, in the order of their rental dates, are as follows:

Scaffolding One, Inc.- start 2006 - end 2011
BQP, LLC- start 2011
Re-Co Brklyn LLC, Wood Sawing- start 2012
Ferry Boat "Schamonchi" - start 2012
Brooklyn Coach Services, Inc.- start 2012

5. *Facility Plan and Historic Maps, Drawings, Surveys and Photographs of the Facility.*

- a. *Facility Plan. Please provide a Facility Plan showing:*

- i. *Buildings and improvements*

A Facility Plan (labeled "Site Plan") from Fenley & Nicol, dated 02/09/95, and showing historical buildings and improvements is attached. The plan was drawn by others and while it appears to be representational of the actual on-site structures, its accuracy cannot be vouched for; in addition, many of the on-site structures (fuel oil storage tanks, loading docks, etc.) represented on that Facility Plan, dated 02/09/95, have been removed by the Company as part of the environmental cleanup directed by the Order on Consent NYSDEC File No. R2-20120806-475.

- ii. *Floor plans of buildings.*

To the best of our knowledge, floor plans of the Facility's buildings do not exist.

- iii. *Bulkheads, ship loading docks and truck loading racks.*

Bulkheads, ship loading docks and truck loading racks are all shown on the "Site Plan" from Fenley & Nicol, mentioned in (i) above. Also, as mentioned in (i) above, the plan was drawn by others and while it appears to be generally representational of the on-site structures as they existed at the time of the acquisition of the Facility by the Company, certain features shown on the referenced "Site Plan" either were no longer in existence at the time of acquisition ("Maintenance Garage" and "Metal Storage Shed"), or could not be located ("Oil Water Separator" and "U/G Waste Oil Tank") after the date of acquisition. The "bulkheads" shown on the "Site Plan" and identified as "U. S. Bulkhead Line" completely line the eastern and northern boundary of the Facility as indicated, but no "ship loading docks" appear to exist (two "Barge Loading Areas" are shown on the "Site Plan" one area is located adjacent to the "Maintenance Garage" and one area is located on the eastern bulkhead, but there are no physical structures present (or any indication that there ever were physical structures present) for either "Barge Loading Area"; the "truck loading racks" (identified on the "Site Plan" as "Loading Docks") along with the "Fuel Oil Storage Tank"(s) (ST-1 through ST-5, plus the two large tanks labeled simply "Fuel Oil Storage Tank") and the "Metal Shack" have all been removed from the Facility as part of the Order on Consent.

iv. *Sanitary and storm sewers.*

To the best of our knowledge, no "as built" plans exist for the Facility. Storm drain locations (inlet and outfall) are currently unknown and the only known sanitary sewer connection appears to be a single connection through the basement wall adjacent to Morgan Avenue, under the "Terminal Operations" building.

v. *Solid waste management units.*

There are neither dumpsters nor a dumpster service in use at the Facility. Each tenant is responsible for arranging their own solid waste removal.

vi. *Below-ground infrastructure including tanks and pipes.*

To the best of our knowledge, all piping for the Bulk Storage Tanks was above ground (supply and return lines were all connected through the tops of the tanks). All known above ground piping has been removed along with the seven bulk fuel oil storage tanks and any steel infrastructure. Reports in our possession indicate that a "pump and treat" recovery system was installed in 1995. A site map (copy attached) from Miller Environmental Group, Inc., identified as "Site Map", dated 3-8-04, shows the unconfirmed location of piping for the pump & treat recovery system.

- vii. *Above-ground infrastructure including tanks, spill containment facilities and pipes.*

The Site Plan from Fenley & Nicol, mentioned in (i) above, shows the former locations of the Bulk Storage Tanks (identified on the Site Plan as "Fuel Oil Storage Tank") and Dispensing Stations (identified on the Site Plan as "loading docks"). The Facility itself appears to have been designed as a "spill containment" structure with the Bulk Storage Tanks surrounded by soil (to stop and contain any leak or spill of product and to absorb any surface liquid or spill by infiltration) and a retaining wall built inside of the bulkheads. The location of any spill containment piping, if any ever existed, is unknown.

- viii. *Over-water or in-water facilities (e.g., piers, docks, cranes).*

Except for the bulkheads installed along the north and east sides of the Facility, there are no known over-water or in-water facilities.

- ix. *Discharge facilities including pipes, ditches, drains, sumps, sewer connections lagoons, waste pits, tanks and other conveyance features.*

A "Site Plan" from Fenley & Nicol mentioned in (i) above, shows a Trench Drain located adjacent to the middle Loading Dock and an Oil/Water Separator located on the west side of the Maintenance Garage. These apparent discharge facilities along with the sanitary sewer connection in the basement of the Terminal Building are the only known discharge facilities (a waste oil UST is indicated on the Fenley & Nicol Site Plan mentioned above as located next to the oil/water separator, but its possible connection to or use with the Oil/Water Separator is unknown).

- b. *Historic Photos, Maps, Surveys, Etc.* *Please provide such other maps, drawings, surveys (including Sanborn maps) and historic photographs (including aerial photos) in the Company's possession which provide information relevant to the layout, construction, processes, bulkheads, or vehicle activities (washing, servicing, fueling or storage), or other operations at the Facility.*

Very few archival historic photos, maps, or surveys are in our possession. An Environmental Data Resources, Inc. (EDR) information request has produced Aerial Photographs from 1954, 1966, 1975, 1984, 1994, and 2006 and historical Sanborn Maps dated 1907, 1933, 1951, 1965, 1968, 1977, and 1979. Copies of these Photographs and Maps are attached.

6. *Current and Historic Depiction of the Facility.*

- a. *Provide a schematic drawing or plan, in the Company's possession, depicting the*

processes and infrastructure employed in business operations.

The Company's operations are very limited and generally consist only of property or real estate rental and the environmental cleanup of the Facility, as directed by the Order on Consent NYSDEC File No. R2-20120806-475. No historic schematic drawings or plans depicting the processes and infrastructure employed in business operations are in the Company's possession, except for the Fenley and Nicole drawing mentioned in 5(a)(i) above and similar environmental drawings showing buildings, tanks, monitoring wells, and other physical infrastructure that existed before the Company acquired the Facility.

- b. Provide such other drawings, maps, photographs and surveys, including, for example, Sanborn maps of the Facility, in the Company's possession showing features of the Facility either before or during the time of the Company's ownership or operation that would provide an understanding of the configuration of and operations at the Facility.*

See 5(b) and 6(a) above (only environmentally related maps, drawn after 1992, are currently in the Company's possession).

*7. Ownership of Newtown Creek (including English Kills) and Canal Abutting the Facility.
At the present time or at any past time, has the Company:*

- a. Owned any portion of Newtown Creek (see Definition 1 Newtown Creek includes English Kills), or wetlands associated with Newtown Creek or the canal or berthing slip in the canal which abuts the western edge of the Facility?*

The New York City Assessors Map shows Block 2942, Lot 157 (purchased by the Company on November 28, 2008) as including that portion of the canal abutting the northern edge of the property. It should be noted that Assessors maps are sometimes inaccurate and cannot be used for survey purposes. The Company does not have a survey of the Facility showing Metes and Bounds of the deed and therefore the Company cannot confirm whether any part of the Facility extends into English Kills.

- b. Asserted control over or exclusive rights to use any area of Newtown Creek or wetlands associated with Newtown Creek, for any purpose including, without limitation, dredging or filling in Newtown Creek or construction, maintenance or repair of any facility located in the waters or the associated wetlands or sediments of Newtown Creek, including, by way of example, bulkheads, rip rap, pipes, wharfs, piers, docking, loading or unloading facilities, cranes or other over-water facilities?*

Other than lot 157, the Company has not asserted control over or exclusive rights to use any area of Newtown Creek or wetlands associated with Newtown Creek, for any purpose.

- c. *Owned or asserted control over or exclusive rights to use any area of the canal or berthing slip abutting the Facility on the western side?*

The Company has not owned or asserted control over or exclusive rights to use the area of the canal or berthing slip abutting the Facility on the Facilities eastern side.

- d. *If the answer to either subparagraph "a" or "b" or "c" of this paragraph is yes, please identify the areas owned or controlled by the Company, or over which the Company has or had a right to use, provide an explanation of how and from whom the Company acquired such ownership or-control, provide a copy of all title documents, leases, permits or other instruments where such right was derived, show the areas on the Facility Plan, and describe all activities conducted pursuant thereto.*

As indicated in 7 (a) above, the property ownership is by deed which appears to include that portion of the canal (and berthing slip) adjacent to the northern edge of the Facility. The berthing slip is currently being used for berthing rental.

- e. *Attached is a Google Earth image (image date 6/17/2010) depicting the Facility, including the canal abutting the Facility on the west, and showing a vessel apparently moored within the canal. Please identify the vessel, including its owners and operators, the purpose for mooring of the vessel at the Facility, whether the vessel is still berthed at the Facility, whether there is an oil boom or other containment surrounding the vessel, how the vessel came to be located at the Facility and the arrangements by the Company with respect to the vessel.*

The vessel is the Ferry Boat "Schamonchi", owned and operated by Jonathan Yaney. It is moored in the berthing slip on the northern edge of the Facility to allow personnel access to the vessel by means of a temporary gangway. There is no oil boom or other containment surrounding the vessel. The arrangements are by a rental agreement with the Company.

8. Operations in Newtown Creek.

- a. *Describe all activities at the Facility that were conducted over, on, under, or adjacent to Newtown Creek. Include in your description whether the activity involved hazardous substances, industrial waste, petroleum or other waste materials and whether any materials were ever discharged, spilled, disposed of, dropped, or otherwise came to be located in Newtown Creek.*

All activities conducted at the Facility consist of space rentals and environmental clean-up (as directed by the Order on Consent NYSDEC File No. R2-20120806-475) and all are located adjacent to Newtown Creek. With the exception of Brooklyn Coach Services, Inc. (which performs routine maintenance on the busses and generates small quantities of petroleum waste

material which are disposed of by Waste Oil Solutions of West Babylon, New York,)), none of the activities at the Facility involve the handling of hazardous substances, industrial waste, petroleum or other waste materials as part of their business and no materials are (or have been) discharged, spilled, disposed of, dropped, or otherwise allowed to come to be located in Newtown Creek.

- b. *Has the Company at any time constructed or operated any facility in or over the waters or on the sediments of Newtown Creek, including any rip-rap, wharfs, piers, docking, loading or unloading facilities, containment booms, cranes or other on-water or over-water facilities?*

The Company has not constructed or operated any facility in or over the waters or on the sediments of Newtown Creek, including any rip-rap, wharfs, piers, docking, loading or unloading facilities, containment booms, cranes or other on-water or over-water facilities with the exception of routine maintenance performed on the wooden bulkhead (which existed on the site from before the time of the acquisition of the Facility by the Company).

- c. *Has the Company, or any affiliate, at any time constructed, operated or utilized any facility under the waters or sediments of Newtown Creek, including without limitation pipes, pipelines, or other underwater or under sediment facilities?*

The Company, or any affiliate, has not constructed, operated or utilized any facility under the waters or sediments of Newtown Creek, including without limitation pipes, pipelines, or other underwater or under sediment facilities

- d. *If the answer to subparagraph "b" or "c" of this paragraph is yes, please provide details including:*
- i. *A summary of the Company's activities in, over or under the waters or sediment of Newtown Creek.*
 - ii. *Information regarding the facilities constructed or operated, the dates of such construction, replacement or major modification, whether there were discharges into the waters of Newtown Creek associated with construction or maintenance of such facilities, and all permits associated with the construction or operation.*
 - iii. *The source of the Company's authorization to construct or maintain such facilities in Newtown Creek including identification of the operating document (deed, lease, easement, license, permit, etc.) and the identity of the grantor, and provide copies of the relevant deeds, leases, licenses and permits.*

Not Applicable

9. Bank Erosion, Overland Transport and Overwater Activities At or From the Facility to Newtown Creek.

- a. Description of Bulkheads and Bank Stabilization. Describe all bank stabilization

systems at the Facility, including bulkheads, rip rap, vegetation or other systems, and the construction materials and mode of construction used. Identify on the Facility Plan the extent and type of shoreline stabilization at all areas of the Facility. State whether there has been or whether there is any ongoing bank erosion, and identify on the Facility Plan the location of shoreline erosion. Identify the Company's role and responsibility in building and maintaining the bulkheads and other shoreline stabilization systems. Describe the system, if any, for preventing materials upland of the bulkhead from releasing into Newtown Creek. State whether there are weep holes or gaps or openings in the bulkheads or shoreline stabilization systems and, if so, whether upland storm water, Facility materials or water from Newtown Creek passes through the bulkhead or shoreline stabilization system.

The bank along English Kills associated with the Facility is stabilized with a wooden bulkhead of unknown age and construction. The bulkhead extends along the eastern and northern sides of the site. There is no known bank erosion and there are no known weep holes or gaps or openings in the bulkhead. A copy of the Fenley & Nicol "Site Plan" (dated 02/09/95) [see 5(a)(iii) above] is attached showing the location and extent of the bulkhead. The site map indicates the presence of a 4' high R.R. Tie Wall, which, along with the flat topography and lack of any preferential pathway, would tend to prevent materials upland of the bulkhead from entering Newtown Creek.

b. Documents Relating to Bank Stabilization.

- i. Provide a complete set of construction drawings and specifications relating to bulkheads and other bank stabilization systems.*

The Company is not aware of the existence of any construction drawings or specifications relating to bulkheads or bank stabilization systems.

- ii. Identify all permits issued to the Company for bulkheads or other bank stabilization systems and provide a copy of all permits and permit applications*

No permits have been issued to the Company for bulkheads or bank stabilization systems.

- iii. Provide a copy of all correspondence with regulatory authorities relating to bulkheads and bank stabilization, including, without limitation, notices of violation and their disposition.*

No correspondence including notices of violation have been received by the Company from regulatory authorities relating to bulkheads or bank stabilization.

- iv. Provide a copy of all studies, reports or plans relating to the construction, repair or maintenance of bulkheads and other shoreline stabilization systems.*

The Company is not aware of any studies, reports, or plans relating to the construction, repair, or maintenance of bulkheads or other shoreline stabilization systems.

- v. *Provide a copy of all contracts and invoices with third parties relating to repair or maintenance of bulkheads and other bank stabilization systems.*

No copies of contracts or invoices with third parties relating to the repair or maintenance of bulkheads or other bank stabilization systems are in our possession. While repairs have recently been completed to the top of the bulkhead to replace decayed wood (all the work that was done was above the waterline), it was completed without a written contract.

c. *Documents and Information Pertaining to any Characterization of Discharge Source Pathways*

- i. *Provide any characterization of the storm water/waste water pathway from the Facility or information relative to the quality of discharging waters from the Facility.*

Storm water/waste water pathway is unknown. Except for discharges to the sanitary sewer, no waters are knowingly discharged from the Facility. Storm water appears to be absorbed by infiltration.

- ii. *Provide any characterization of upland soil, overland flow areas or bank erosions areas that, if when encountering Facility runoff towards Newtown Creek, could entrain into a discharging stream.*

Upland (off-site) soil is overlain by Morgan Avenue (pavement) which interrupts any overland flow. Morgan Avenue, in turn, is drained by storm drains. On-site topography is very flat with no pronounced flow pathway.

- iii. *Provide any characterization of liquids (e.g. groundwater, petroleum, oil, or other liquids) that could pass through the bulkheads or rip-rap. Provide all documents that relate to your answer of this subparagraph c.*

No information relative to characterization of liquids that could pass through the bulkheads or rip-rap is in the Company's records. Petroleum, oil or other liquids are not stored on-site.

- 10. *Outfalls into Newtown Creek.* *Identify and show on the Facility Plan all current and previous outfalls or discharge points from the Facility into Newtown Creek, including location of outfall, gallons per day and source of influent to Newtown Creek. Please*

identify whether the outfall operates currently or is defunct and, if defunct, when the outfall operated and the circumstances of its closing. Please identify all permits associated with each outfall and state whether the outfall is permitted or not permitted. Provide a copy of all waste water management and drainage studies, reports or plans for all periods during the Company's occupancy and/or operation of the Facility.

There are no records available that show that any outfalls or discharge points exist or ever existed for this Facility. No permits for any outfalls from the Facility are known to exist.

11. Fill and Land Filling Activities.

- a. *Identify on the Facility Plan all areas of the Facility where fill has been placed during the period of ownership and/or operation by the Company, the lateral extent of the fill and the depth of the fill, the purpose of the placement, and the source and amount of the fill in each area. State whether the fill has ever been characterized, either before placement or thereafter and, if so, provide a copy of the sampling/characterization results.*

No fill has been brought onto the Facility during the period of ownership by the Company.

- b. *Describe the Company's operations in producing fill for sale to others including the receipt of materials, separation, handling and storage at the Facility.*

No fill has ever been sold by the Company.

12. Facility Storm Water Drainage. *Describe how storm water is managed and drained at the Facility and depict on the Facility Plan all drainage flow and drainage infrastructure including all receiving facilities for storm water. Separately explain and depict point source drainage through pipes or other conveyances as well as sheet flow or surface water runoff. Identify and provide a copy of all permits for drainage and provide a copy of all data from sampling discharges of storm water. Provide a copy of the Company's Storm Water Pollution Prevention Plan, Best Management Practices Plan and all drainage studies, reports or plans for all periods during the Company's occupancy of the Facility.*

No point source drainage, drainage piping, or other conveyances are known to exist on the site. There are no drainage permits. There is no Storm Water Pollution Prevention Plan, Best Management Practices Plan, or copies of any drainage studies in the Company's files.

13. Facility Process Water Management. *Identify all waste water streams, other than sanitary waste water from rest rooms, generated at the Facility and describe the activities generating such waste water, including, without limitation, waste handling operations, vehicle washing*

operations and other operations. Describe how process waste water and truck washing waste water is managed at the Facility and depict on the Facility Plan all process and wash waste water treatment and disposal facilities. If waste water facilities have changed over the years of the Company's operations, describe infrastructure changes and the dates such changes were placed into use. Identify and provide a copy of all permits for management or drainage of process and wash waste water. Provide a copy of all data from sampling discharges of waste water, including all data from sampling any process or business waste stream, now or formerly generated at the Facility. Provide a copy of all waste water management and drainage studies, reports or plans for all periods during the Company's occupancy of the Facility.

During the Company's ownership, there are no known process water or business waste or waste water streams now or formerly generated at the Facility, with the exception of bus washing which started at the time (during 2012) the bus company rented space on-site. The bus wash water falls onto a concrete pad, is collected by a concrete trench, and is then pumped through an oil/water separator (constructed by the bus company) and into the sanitary sewer connection at Morgan Avenue.

14. Connections to New York City sewer system.

- a. *State whether the Facility is or was connected to the New York City sewer during the Company's ownership or operation and the date that the Facility was first connected.*

The on-site building on the Facility appears to be connected to the New York City sanitary sewer- it was already connected at the time the Company purchased the Facility.

- b. *Identify the waste streams (sanitary, storm water, process water), if any, connected to the New York City sewer.*

To the best of the Company's knowledge, during its ownership, the only known waste streams from the Facility are a sanitary stream (two toilets in office building) and the bus wash water from the bus company's oil/water separator.

- c. *State whether the Facility ever discharged - any liquid wastes other than to the New York City sewer system and, if so, provide details on such discharges.*

To the best of the Company's knowledge, the Facility has never discharged any liquid wastes other than to the New York City sewer system.

- d. *State whether the Facility participated in the New York City pretreatment program, and whether the Company has ever been classified as a significant industrial user.*

The Facility has not participated in any pretreatment program, during the time it has been owned by the Company and the Company is not an industrial user.

- e. *Provide copies of all permits and permit applications for New York City Industrial Wastewater discharge permits.*

There are no permits or permit applications for Industrial Wastewater discharge and no indications that the Company needs any.

- f. *Provide copies of all notices of violations, correspondence, hearing transcripts and dispositions relating to the Company's use of the New York City sewer system.*

There are no known notices of violations, correspondence, hearing transcripts or dispositions relating to the Company's use of the New York City sewer system.

- g. *Provide copies of all surveys, reports or analyses delineating or characterizing the Company's liquid wastes.*

The Company does not generate liquid wastes.

15. *Other Newtown Creek Properties.* *Please identify each Other Newtown Creek Property (see Definition number 9.b for "Other Newtown Creek Property"), if any, currently or formerly owned or operated by the Company (including any affiliate (see Definition 8)), including:*
- a. *Nature of the Company's interest in each Other Newtown Creek Property.*
 - b. *Corporate identity of the entity that holds or held such interest.*
 - c. *Address, Borough, Block and Tax Lot Identification of each Other Newtown Creek Property.*
 - d. *The principal business and each other line of business conducted at each Other Newtown Creek Property.*
 - e. *All deeds evidencing the acquisition or disposition of the Facility and all leases relating to the operation of the Facility, and provide copies of such deeds and leases.*

There are no known "Other" Newtown Creek Properties currently or formerly owned or operated by the Company (including any affiliates).

16. *Storage and Combustion of Coal.* *Has the Company stored or combusted coal at the Facility during the time of its ownership or operation? If your answer is yes, please respond to the following requests for information and identify the following for all periods of time related to the responses:*

- a. *The purpose for which coal was present at the Facility.*
- b. *The annual volume and type or types of coal (i.e. bituminous, anthracite, etc.) handled at the Facility.*
- c. *The location and manner of coal storage at the Facility.*
- d. *Identify all coal storage, shipment and transfer and process locations on the Facility Plan.*

The Company has not stored or combusted coal at the Facility during the time of its ownership.

17. *Historic Ownership and Operation of the Facility. Please identify, if known to the Company, the identity of prior owners or operators of the Facility, the nature of operations conducted, whether such prior owners or operators are in existence or, if not, whether they have been dissolved, merged or acquired by another entity, the existence of outfalls to Newtown Creek during such prior ownership or operation and contact information for such prior owners or operators.*

Information on the historical ownership and operation of the Facility that can be gathered from reports and memos in the Company's possession indicates that Morgan Oil Terminal Corporation owned and operated the Facility under Major Oil Storage Facility License No. 2-1500 until 1991. In 1992, the operation of the Facility was leased to City Fuel Inc., followed by Premium Pipeline in that same year (1992). The existence and/or fate of these companies is unknown, as is any contact information. From public record (tax assessor on-line information), Northville Industries Corp., as Successor in Interest, transferred ownership to Mid Boro Transport Corp in May 1980. Bandolene Industries Corp, as Successor by Merger to Bandolene Terminals Corp, formerly known as Mid Boro Transport Corp., transferred ownership to Morgan Oil Terminals Corp. in December 1982. In September of 2004, ownership of the Facility was transferred (by sheriff's auction) to RCC & York Associates LLC. In October of 2007, ownership was transferred from RCC & York Associates LLC to Corpus Christi Resources LLC and then by bankruptcy auction sale to English Kills Ventures LLC, the current owners. To the best of our knowledge, none of the previous owners are in existence/in business.

Section 3.0 Company's Operational Activities

18. *Vessels. Has the Company utilized barges, tankers or other vessels in any operations on Newtown Creek and, if so, provide details of such operations? Identify products and raw materials transferred to or from vessels, and spill prevention controls utilized by the Company. Identify with specificity all vessel-related spills or discharges that may have occurred during the Company's ownership or operation of the Facility.*

The Company has not utilized barges, tankers, or other vessels in any operations on Newtown Creek. As part of the real estate property rental operations, the Company has rented Bulkhead space to the Ferry Boat "Schamonchi", owned and operated by Jonathan Yaney. Other than personal supplies, no products or raw materials are transferred to or from the Schamonchi. No spill prevention controls are utilized by the Company for the Schamonchi and no vessel-related spills or discharges are known to have occurred during the Company's ownership of the Facility.

19. *Vehicles. Has the Company utilized vehicles in its operations at the Facility? If the answer is*

yes, please provide the following:

- a. *Describe the purpose for the vehicles used in connection with operations at the Facility and identify the type and number of vehicles employed at the Facility.*
- b. *Identify whether the following activities were conducted: vehicle loading, vehicle unloading, vehicle maintenance, vehicle refueling, and vehicle washing. If yes, describe each such activity and identify on the Facility Plan the area where such activity occurred.*
- c. *Identify and provide a copy of all permits issued to the Company in connection with such vehicle activities and provide a copy of all communications between the Company and the licensing authorities.*

The Company has not utilized vehicles in its operations at the Facility. As part of the real estate property rental operations, the Company has rented space to a bus line with its busses, and a piling contractor with over-the-road piling machinery. See question 4(a) through 4(d) above.

20. Bulk Storage Containers.

- a. *If the Facilities had bulk storage of petroleum or chemicals, please show the location of each storage tank on the Facility Plan and describe each tank by volume, construction materials, spill prevention and containment systems and whether it is located above- or below- ground. Identify the materials currently and historically stored in each tank, including the types of petroleum products and additives handled at any time during the operation of the Facilities, and identify the purpose and use of such stored materials at the Facility. Provide a copy of the material safety data sheet ("MSDS") for each such material.*

The Facility originally had seven soil bunkered, steel, bulk fuel oil storage tanks for the storage of No. 2, No. 4, and No. 6 fuel oil. These tanks were removed and scrapped with the last tank removed in May, 2013. A Tank Removal Report (TRR) was submitted to, and approved by, the NYSDEC along with final paperwork closing out Major Oil Storage Facility license No. 2-1500. A Facility Plan showing former bulk fuel oil storage tank locations is attached as are the appropriate fuel oil MSDSs.

- b. *Provide all documents related to the permitting, inspection, maintenance, cathodic protection, product inventory levels, cleaning, and closure of such tanks and correspondence between the Company and regulatory authorities concerning the storage tanks.*

The Company acquired the Facility after the NYSDEC had removed all petroleum products from all of the Facility's tanks and with no operational interest in the Facility. Operations at the Facility, by the Facility owners, ceased circa 1991. Operations were temporarily leased out to two other companies in 1992 and 1993. Seven bulk fuel oil storage tanks, plus an additional seven minor USTs, were emptied and cleaned in 1994-1995 under the direction of the NYSDEC by Winston Contracting of Commack, New York. A copy of the Winston Contracting "Opening Report", dated September 26, 1994 and Revised on February 25, 1995, detailing the opening, emptying,

cleaning and inspection of the seven bulk fuel oil storage tanks plus the opening, emptying, cleaning and inspection of the seven small USTs (250 to 3,000 gallons), is attached. A copy of the Major Oil Storage Facility (MOSF) and Petroleum Bulk Storage (PBS) forms showing the seven bulk fuel oil storage tanks status as "closed-removed" is attached.

- c. *Identify all tanks scheduled for removal by the Company and all tanks that the Company plans to leave in place. Identify agreements or orders with regulatory authorities with respect to all tanks, including tanks subject to removal and tanks not subject to removal. With respect to the November 2012 administrative order on consent (R-2-20120806) between the Company and NYSDEC, please state the status of the tank removal undertakings and provide copies of submittals by the Company to NYSDEC pursuant to the order.*

It is planned that all of the Facility tanks will be removed by the Company. To-date, the seven bulk fuel oil storage tanks, part of the order on consent (R-2-20120806-475), have been permanently closed-removed and the Major Oil Storage Facility license No. 2-1500 has been officially closed following the removal of the last bulk storage tank in May, 2013. A Tank Removal Report (TRR) detailing the removal of the seven bulk fuel oil storage tanks was submitted to the NYSDEC on May 30, 2013 and approved by the NYSDEC on June 5, 2013. A copy of the TRR is attached.

21. *Chemicals and Other Materials Used, Produced and Generated at the Facility. Identify the compounds and chemicals received, stored and used at the Facility and the purpose that the compounds and chemical were acquired.*

- a. *For receipt of materials, please identify all such materials, being specific in identifying such each item including brand name of any chemical or, if generic, the identity and description of such material, the purpose for which it was received and the process in which it was employed. Please provide copies of MSDSs for each such chemical. Identify the annual volume of receipt of such materials.*

The Company does not use, produce, or generate any chemicals or other materials at the Facility.

- b. *Identify all products produced at the Facility or shipped from the Facility and, if applicable, provide copies of MSDSs. Identify the approximate annual volume of production at the Facility by product line.*

The Company does not produce any products at or ship any products from the Facility.

- c. *Describe what the Company did with the hazardous wastes, hazardous substances, and industrial wastes that it used, stored, generated, or otherwise handled at the Facility after it was finished with them? Describe in detail how and where the hazardous substances, hazardous wastes, and industrial wastes are or were generated at the Facility. For each disposal location and method, state the nature and quantity or the*

material disposed on an annual basis.

The Company does not use, store, or generate hazardous wastes, hazardous substances, or industrial wastes. At various times during the course of dismantling and scrapping seven bulk storage tanks, small quantities of fuel oil contaminated soil were encountered and removed as part of the cleanup process. The fuel oil contaminated soils plus small quantities of absorbents were drummed and disposed of offsite at a licensed disposal facility. The last drum disposal was on May 9, 2013 when 12 drums of oil, absorbents, and rags were transported to All State O.R.C., Inc. of West Milford, New Jersey. Fill material, remaining after the seven bunkered bulk storage tanks were removed, was disposed of offsite in a New Jersey BUD (Beneficial Use Determination) program. With the bulk storage tanks removed, it is anticipated that no additional soils will be removed from the site.

22. *Oil/Water Separators. Identify all oil/water separators at the Facility during the Company's ownership or operation including dates of installation, dates of replacement or major modification, purpose of installation and source of influent, and location of discharge. Provide a copy of each permit and permit application, influent and effluent sampling results and copies of all submissions to federal, state, city or county environmental agencies or public health agencies relating to oil/water separators.*

During the Company's ownership, the bus company added (February, 2013) a small oil/water separator to prepare bus wash-water for disposal to the sanitary sewer system. An Oil/Water Separator is shown on the Fenley & Nicole Site Plan (see 5(a)(i) above), but, the existence and location, dates of installation, dates of replacement or major modification, purpose of installation and source of influent, and location of discharge are unknown to the Company.

23. *Pipelines. Identify and depict on the Facility Plan each pipeline serving the Facility that is or was situated on the Facility property (either above- or below-ground) during the Company's ownership or operation and state what materials are delivered to the Facility by pipeline.*

No known pipelines served the Facility. Reports in the Company's possession indicate that historically, the delivery of fuel oil to the site when the site was in operation (prior to 1992) was by Barge.

24. *Provide a copy, if applicable, of the Company's. Spill Prevention Control and Countermeasure Plan and Best Management Practices Plan for the Facility*

The Company does not handle liquids in the normal course of business and therefore, does not have a Spill Prevention Control and Countermeasure Plan or a Best Management Practices Plan for the Facility.

Section 4.0 Civil Litigation, Administrative Enforcement and Criminal Matters

25. Civil Litigation, Administrative Enforcement and Criminal Matters:

- a. *Has the Company been a party to any litigation or involved in any other claim where an allegation by or against the Company included environmental contamination of Newtown Creek or contamination of the Facility or any other upland property within the Newtown Creek drainage basin whether or not such other property was owned or operated by the Company (whether the claim was based on the Company's alleged ownership, operation, transporter status, or arranger relationship to the Facility or some other basis)? If yes, identify such litigation or claim, briefly describe the allegation by or against the Company, the status of the litigation or claim, and provide a copy of the pleadings and any settlement agreement or court order.*

The Company has not been a party to any litigation or involved in any other claim where an allegation by or against the Company included environmental contamination of Newtown Creek or contamination of the Facility or any other upland property within the Newtown Creek drainage basin.

- b. *Has the Company been identified by EPA or by any New York State or New York City agency as a party responsible for environmental contamination at or from the Facility upland property within the Newtown Creek drainage basin whether or not such other property was owned or operated by the Company (whether the claim was based on the Company's alleged ownership, operation, transporter status, or arranger relationship to the facility or some other basis)? If yes, state the Company's understanding of the basis for such notice of responsibility and provide a copy of any correspondence, orders or agreements between the Company and the governmental agency.*

The Company has not been identified by EPA or by any New York State or New York City agency as a party responsible for environmental contamination at or from any Facility property within the Newtown Creek drainage basin.

- c. *Has the Company or an employee, contractor or agent ever been accused of any criminal violation relating to illegal disposal or any other environmental matter in connection with any activity or operation at either Facility? If so, describe the disposition of such accusation and provide details on such accusation.*

To the best of our knowledge, the Company or any employee, contractor, or agent has not been accused of any criminal violation relating to illegal disposal or any other environmental matter in connection with any activity or operation at the Facility.

Section 5.0 Facility Releases, Investigations and Remediation

26. Releases at or from the Facility. *Has the Company ever provided notice to or made a report to any EPA or any New York State or New York City agency concerning a spill or release involving the Facility or involving Newtown Creek? If so, describe each spill or release, the constituents of any material released, and provide copies of all communications between the Company and federal, state or local regulatory agency.*

No incident requiring a report has occurred

27. Soil Removal Actions. *Has any contaminated soil ever been excavated or removed from the Facility? If yes, identify the reason for such soil action, the dates of such action, and whether the soil removal was performed under the oversight of EPA, NYSDEC or New York City Department of Environmental Protection ("NYCDEP") or any other regulatory agency and show the location of such actions on the Facility Plan. Provide copies of all reports containing a description of the soil excavation and all data and analyses and copies of any orders or agreements with any regulatory agencies that required or oversaw the work.*

Pursuant to the Order on Consent NYSDEC File No. R2-20120806-475, requiring the removal of seven Bunkered Bulk Fuel Oil Storage Tanks, excess soil (left over from the de-construction of the tanks) was removed from the site on three separate occasions. In March of 2012, Pro-Teck, LLC of New Haven, Connecticut transported a total of 835.84 tons of soil from the Facility to Clean Earth of Carteret in Carteret, New Jersey. In August of 2012, Pro-Teck, LLC transported a total of 1,696.63 tons of soil from the Facility to Lincoln Park West Landfill Closure Site in Jersey City, New Jersey. In July of 2013, Pro-Teck, LLC transported a total of 629.97 tons of soil from the Facility to Clean Earth of Carteret in Carteret, New Jersey. In each instance, the soils were analyzed for a wide set of parameters as required by each disposal authority including: VOCs, SVOCs, RCRA Metals, Pesticides, PCBs, and DROs. A map, showing the approximate locations of the on-site origins of the soils, is attached as well as copies of the laboratory analyses, and disposal manifests.

28. Groundwater Action. *Has the Company treated, pumped, or taken any kind of response action on groundwater under the Facility? If yes, identify the reason for such groundwater action, the dates of such action, and whether the groundwater action was performed under the oversight of any EPA, NYSDEC or NYCDEP or any other regulatory agency and show the location of such actions on the Facility Plan. Provide copies of all reports containing a description of the groundwater action and all data and analyses, and copies of any orders or agreements with any regulatory agencies that required or oversaw the work.*

The Company has not treated, pumped, or taken any kind of response action on groundwater under the Facility.

29. Sediments. *Has the Company taken any action with respect to sediments in Newtown Creek? Provide a copy of all reports, studies, correspondence or other information concerning the sediments adjacent to the Facility.*

The Company has not taken any action with respect to sediments in Newtown Creek.

30. Releases into Subsurface units. *Was there ever a spill, leak, release or discharge of waste, or process residue, including hazardous substances, pollutants, contaminants, industrial waste, or petroleum, into any subsurface disposal system or floor drain inside or under a building*

situated at the Facility? If yes, provide details of each event and any communication with any federal, state or city regulatory body.

The Company has no record of, nor any knowledge of a spill, leak, release or discharge of waste, or process residue, including hazardous substances, pollutants, contaminants, industrial waste, or petroleum, into any subsurface disposal system or floor drain inside or under a building situated at the Facility. The Company has no records showing the existence or location of any historic storm drains or the location of the input point to the historic oil/water separator shown on the Fenley & Nicol maps (see answer to question 5(a)(i) above).

31. Releases to Newtown Creek. *Was there ever a spill, leak, release or discharge of a hazardous substance, industrial waste, petroleum or other waste or material into Newtown Creek from the Facility or from any equipment, structure, or activity occurring on, over, or adjacent to Newtown Creek? If yes, identify such release and provide copies of any documents regarding the nature of the material released, the dates of each such occurrence, the amount and location of such release, and whether there was any action to treat or recover any materials that were the subject of the release. Provide copies of all reports containing a description of the groundwater action and all data and analyses, and copies of any orders or agreements with any regulatory agencies that required or oversaw the work.*

According to documents in the Company's files, two spills have occurred at Morgan Terminal, both in 1992. A search of the internet site of the NYSDEC Spill Incidents Database produced two reports: spill number 92-09135, dated 11/06/1992, is listed for an unknown quantity of #6 Fuel Oil, affecting the groundwater; and spill number 92-11657, dated 12/23/1992, is listed for an unknown quantity of #2 Fuel Oil, also affecting the groundwater. No mention is made of any actions to treat or recover any of the materials mentioned in the spill reports. A copy of each spill report is attached.

32. Environmental Investigations at the Facility. *Describe the purpose for, the date of initiation and completion, and the results of any investigations of soil, water (ground or surface), sediment, geology, hydrology, or air quality on or about the Facility. Provide copies of all data, reports, and other documents that were generated by the Company or any contractor or consultant, or by a federal or state or City regulatory agency related to the investigations that are described.*

According to a March 6, 1993 report in the Company's possession, the NYSDEC retained Fenley & Nicol to investigate the subsurface soil and groundwater under the Facility. As outlined in the March report, Fenley & Nicol, from December, 1992 through January, 1993, installed twenty groundwater monitoring wells in select locations under the Facility. The results of the 1993 investigation are shown in the attached Fenley & Nicole report of March 6, 1993. The Company is in the process of performing subsurface soil and groundwater investigations as required by the Order on Consent, NYSDEC File No. R2-20120806-475.

33. Monitoring Wells. *Identify all groundwater monitoring wells located at the Facility, including locations at the Facility and the dates and purpose for which they were installed. Provide a copy of groundwater data generated from sampling of water from the monitoring wells, the purpose for collection of such data, and all reports prepared for the Company that utilized such data. Show the location of the monitoring wells on a Facility Plan.*

Reportedly, a total of 41 groundwater monitoring wells were installed between 1992 and 2005 to characterize groundwater under the site. The locations of the known monitoring wells are shown on the attached Miller Environmental Group (MEG) site map (see answer to question 5(a)(vi) above). The results of the initial investigation (monitoring wells FN-1 to FN-20) are shown in the Fenley & Nicol report of March 6, 1993 (see question 32 above).

34. Phase I, Phase II, EDR and Other Environmental Investigations. *Please provide copies of all environmental investigation reports in the Company's possession relating to the Facility. Include, without limitation, Phase I and Phase II reports and any Environmental Data Resources study or report.*

No Phase I or Phase II reports are known to exist. The EDR reports in the Company's possession are related to historical aerial photographs and historical Sanborn Maps (see answer to question 5(b) above). Copies of all known environmental investigation reports are attached.

Section 6.0 Regulatory Information

35. Regulatory Agencies with Jurisdiction Over the Facility. *Identify each federal, state and local authority that regulates environmental concerns relating to the ownership or operation at the Facility, the contact point at such agency, the activity regulated and the applicable federal, state and local statute or regulation from which such regulatory authority was derived.*

Regulatory Agencies with Jurisdiction over the Facility are: the EPA, the NYSDEC, the NYC Building Department, and the NYCDEP Bureau of Wastewater Treatment.

36. Notices of Violation. *Describe all occurrences associated with violations, citations, deficiencies, and/or accidents concerning the Facility related to environmental concerns. Without limitation, identify whether any regulatory authority has notified the Company of any discharge or runoff of waste to Newtown Creek. Provide a copy of each such notice and all further correspondence or communication relating to such notices of violation. Please address all notices of violation including, without limitation, notices relating to the shoreline rip rap and vegetation.*

The only known occurrences associated with violations, citations, deficiencies, and/or accidents concerning the Facility related to environmental concerns are the NYSDEC Spill No. 92-09135 and the NYSDEC Spill No. 92-11657. To

the best of the Company's knowledge, other than the two spills, no regulatory authority has notified the Company of any discharge or runoff of waste to Newtown Creek or any notices relating to the shoreline rip rap and vegetation.

37. Air Emissions. *Provide a list of and a copy of all Air permits issued to the Facility and a copy of all sampling data for air emissions from the Facility.*

The Company has no operations or activities that would require an Air permit.

38. Environmental Permits.

- a. *Provide a list of all local, state and federal environmental permits which have been applied for or issued to the Company with respect to the Facility for any media, e.g., for water (including State Pollutant Discharge Elimination System ("SPDES")), air, New York City sewer, Industrial Pretreatment Program (or any other wastewater discharge), excavation and fill in navigable waters, dredging, tidal wetlands, bulkheads, solid waste or hazardous waste, bulk storage, industrial wastewater, etc. under any environmental statute or regulation.*

The Company has no operations or activities that would require an "environmental" permit.

- b. *Provide a copy of all waste handling permits issued with respect to operations at the Facility.*

The Company has no operations or activities that would require any waste handling permits.

- c. *Provide a copy of each SPDES permit held by the Facility, whether currently in force or expired. Provide a copy of all correspondence and documents relating to the SPDES permit and the surrender of the permit.*

The Company has no information in its files related to any SPDES permits.

- d. *Provide a copy of all Discharge Monitoring Reports ("DMR's") applicable to the Company's SPDES permits during the period of the Company's ownership and operation of the Facility.*

The Company has never operated the Facility and has no SPDES permits and no DMR's.

- e. *If the Company contends that they are not required to have SPDES permits or air permits, state the Company's reason for such conclusion and provide a copy of any correspondence with the appropriate governmental permit issuing agencies.*

The Company has no operations or activities at the site that would require an SPDES permit.

39. Ongoing Remediation. *Identify and provide a copy of all cleanup agreements with federal, state or local environmental regulatory authorities to which the Company or the Facility is subject. Identify the status of current on-site remediation systems installed or maintained under oversight of regulatory authorities*

A copy of the Order on Consent (NYSDEC File No. R2-20120806-475) is attached. To date the Company has completed the bulk storage tank removal phase of the Order on Consent and is submitting a Remedial Investigation Work Plan for NYSDEC approval. The Company has not installed, nor has the Company been responsible for the maintenance of any on-site remediation system(s) installed at the Facility. According to reports in the Company's possession, a pump and treat system was installed by Fenley & Nicol under the direction of the NYSDEC and placed in operation in June 1995. The pump and treat system was maintained by Fenley & Nicol until 1999 when Miller Environmental Group assumed responsibility. It was reported that the pump and treat system was shut down by the NYSDEC in 2004 due to the viscosity of the product remaining in the ground.

Section 7.0 Persons with Responsibility for Environmental Matters; Insurance and Indemnification

40. Persons Having Responsibility for Environmental Matters at the Facility. *Identify all individuals who currently have and those who previously have had responsibility for the Company's environmental matters (e.g. responsibility for the disposal, treatment, storage, recycling, or sale of the Company's wastes). Also provide each such individual's job title, duties, dates performing those duties, supervisors for those duties, current position or the date of the individual's resignation or termination, and the nature of the information possessed by such individuals concerning the Company's waste management practices.*

The only environmental matter still pending at the Facility is compliance with the NYSDEC Order on Consent, File No. R2-20120806-475. In this matter, GeoQuest, Inc. of Bloomfield, Connecticut and the Albany office of the firm of Bond Schoeneck & King are acting as consultants to the owner.

41. Insurance and Indemnification:

- a. *Provide a schedule of liability insurance policies that may provide coverage to the Company for environmental liability associated with Newtown Creek.*

The Company does not have environmental liability insurance and after due diligence, no applicable liability policy has been located.

- b. *Identify each entity that may have a duty to indemnify the Company for any potential*

environmental liability in connection with Newtown Creek, identify the circumstances giving rise to the indemnity, and provide a copy of any document that reflects a requirement to so indemnify the Company.

The Company is not indemnified by any other entity for potential environmental liability in connection with Newtown Creek.

- c. *Identify each entity that the Company has agreed to indemnify for any potential environmental liability in connection with Newtown Creek. Provide a copy of any document that reflects a requirement to indemnify by the Company.*

The Company has not agreed to indemnify any entity for any potential environmental liability in connection with Newtown Creek.

CERTIFICATION OF ANSWERS TO REQUEST FOR INFORMATION
NEWTOWN CREEK SUPERFUND SITE

State of New York

County of Kings

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document (response to EPA Request for Information) and all documents submitted herewith, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete, and that all documents submitted herewith are complete and authentic unless otherwise indicated. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. I am also aware that the Company are under a continuing obligation to supplement its response to EPA's Request for Information if any additional information relevant to the matters addressed in EPA's Request for Information or my Company's response thereto should become known or available to the Company.

Aaron Abraham
NAME (print or type)

site manager
TITLE (print or type)

English Kills Ventures
COMPANY NAME

[Signature]
SIGNATURE

Sworn to before me this 22 day of 10, 2013

[Signature]
Notary Public

My commission expires: 01/14/17

— [STAMP OR SEAL]



Morgan Terminal

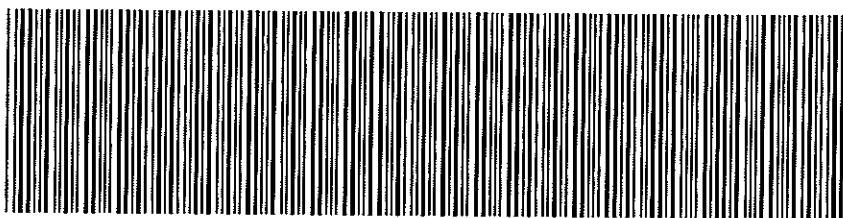
October 10, 2013

The following are attachments that make up part of the response to the EPA Request for Information.

Question Number	Description	Size
3(c)	Deeds- Lot 207 and Lots 101, 157, 160, and 220	(26 pages)
4(c)	Facility Plan (Nos. 1&2)- Occupants of Site	(2 pages)
5(a)(i)	Fenley and Nicol Site Plan	(1 page)
5(a)(vi)	Miller Environmental Group- Pump and Treat Map	(1 page)
5(b)	EDR Historic Aerials and Historic Sanborn Maps	(14 pages)
9(a)	Fenley and Nicol Site Plan	(1 page)
20(a)	Facility Plan & MSDS Sheets- Nos. 2, 4, and 6 Fuel Oil	(30 pages)
20(b)	Winston Contracting Opening Report & MOSF and PBS Forms	(139 pages)
20(c)	Tank Removal Report	(20 pages)
27	Soil Analyses, Soil Logs, and Soil Manifests	(194 pages)
32	Fenley and Nicol Subsurface Investigation 1993	(198 pages)
34 (1)	Status Rpt Nov 95-April 96	(14 pages)
34 (2)	Status Rpt Dec 96 (text only)	(16 pages)
34 (3)	Status Rpt July 98- March 99 (text only)	(9 pages)
34 (4)	Status Rpt 3-2-99 (text only)	(11 pages)
34 (5)	Site Status Monitoring Rpt7-02 to11-02 (text only)	(22 pages)
34 (6)	Remediation System Evaluation 6-4-03	(34 pages)
34 (7)	Remediation System Evaluation Rpt 6-11-04	(31 pages)
34 (8)	Status Rpt March 03- Oct 04 (text only)	(37 pages)
34 (9)	Status Rpt 11-04 through 6-05	(73 pages)
39	Order on Consent NYSDEC R2-20120806-475	(6 pages)

**NYC DEPARTMENT OF FINANCE
OFFICE OF THE CITY REGISTER**

This page is part of the instrument. The City Register will rely on the information provided by you on this page for purposes of indexing this instrument. The information on this page will control for indexing purposes in the event of any conflict with the rest of the document.



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RECORDING AND ENDORSEMENT COVER PAGE

PAGE 1 OF 6

Document ID: 2008120200614001

Document Date: 11-23-2008

Preparation Date: 12-02-2008

Document Type: DEED

Document Page Count: 5

PRESENTER:

LAND TRACK TITLE
750 CHESTNUT RIDGE ROAD
SPRING VALLEY, NY 10977
845-352-0160
yanky@landtracktitle.com

RETURN TO:

LAND TRACK TITLE
750 CHESTNUT RIDGE ROAD
SPRING VALLEY, NY 10977
845-352-0160
yanky@landtracktitle.com

PROPERTY DATA

Borough BROOKLYN **Block Lot** 2942 207 **Entire Lot**
Property Type: OTHER

Unit Address
N/A MORGAN AVENUE

CROSS REFERENCE DATA

CRFN _____ or Document ID _____ or _____ Year _____ Reel _____ Page _____ or File Number _____

PARTIES

GRANTOR/SELLER:

CORPUS CHRISTI RESOURCES LLC
711 N CARANCAHUA STREET, SUITE 728
CORPUS CHRISTI, TX 78475

GRANTEE/BUYER:

ENGLISH KILLS VENTURES LLC
10103 FONDREN RD, SUITE 425
HOUSTON, TX 77096

FEES AND TAXES

Mortgage

Mortgage Amount: \$ 0.00

Taxable Mortgage Amount: \$ 0.00

Exemption:

TAXES: County (Basic): \$ 0.00

City (Additional): \$ 0.00

Spec (Additional): \$ 0.00

TASF: \$ 0.00

MTA: \$ 0.00

NYCTA: \$ 0.00

Additional MRT: \$ 0.00

TOTAL: \$ 0.00

Recording Fee: \$ 62.00

Affidavit Fee: \$ 0.00

Filing Fee:

\$ 0.00

NYC Real Property Transfer Tax:

\$ 0.00

NYS Real Estate Transfer Tax:

\$ 0.00

**RECORDED OR FILED IN THE OFFICE
OF THE CITY REGISTER OF THE
CITY OF NEW YORK**

Recorded/Filed 12-04-2008 17:09

City Register File No.(CRFN):

2008000464527



Annette M. Hill

City Register Official Signature

CONSULT YOUR LAWYER BEFORE SIGNING THIS INSTRUMENT-THIS INSTRUMENT SHOULD BE USED BY LAWYERS ONLY

THIS INDENTURE, made the 26 day of November, 2008

BETWEEN

Corpus Christi Resources, LLC having an address at 711 N Carancahua Street - Suite 728, Corpus Christi, TX 78475
as debtor-in-possession under Chapter 11 of the U.S. Bankruptcy Code
Case No. 07-20576, filed 10/29/2007, Southern District of Texas

party of the first part, and

English Kills Ventures, LLC having an address at 10103 Fondren Rd - Suite 425, Houston, TX 77096

party of the second part,

WITNESSETH, that the party of the first part, in consideration of ten dollars and other valuable consideration paid by the party of the second part, does hereby remise, release and quitclaim unto the party of the second part, the heirs or successors and assigns of the party of the second part forever,

ALL that certain plot, piece or parcel of land, with the buildings and improvements thereon erected, situate, lying and being in the State of New York, County of Kings, and more fully described in Schedule A attached hereto and made a part hereof.

TOGETHER with all right, title and interest, if any, of the party of the first part in and to any streets and roads abutting the above described premises to the center lines thereof; TOGETHER with the appurtenances and all the estate and rights of the party of the first part in and to said premises; TO HAVE AND TO HOLD the premises herein granted unto the party of the second part, the heirs or successors and assigns of the party of the second part forever.

AND the party of the first part, in compliance with Section 13 of the Lien Law, covenants that the party of the first part will receive the consideration for this conveyance and will hold the right to receive such consideration as a trust fund to be applied first for the purpose of paying the cost of the improvement and will apply the same first to the payment of the cost of the improvement before using any part of the total of the same for any other purpose. The word "party" shall be construed as if it read "parties" whenever the sense of this indenture so requires.

IN WITNESS WHEREOF, the party of the first part has duly executed this deed the day and year first above written.

IN PRESENCE OF:

Corpus Christi Resources LLC

Archer 2. Zwebner, Trustee

ACKNOWLEDGEMENT TAKEN IN NEW YORK STATE

State of New York, County of _____, ss:
On the _____ day of _____ in the year _____, before me, the undersigned, personally appeared _____

_____, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name(s) is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

**ACKNOWLEDGEMENT BY SUBSCRIBING WITNESS
TAKEN IN NEW YORK STATE**

State of New York, County of _____, ss:
On the _____ day of _____ in the year _____, before me, the undersigned, a Notary Public in and for said State, personally appeared _____, the subscribing witness to the foregoing instrument, with whom I am personally acquainted, who, being by me duly sworn, did depose and say that he/she/they reside(s) in _____

(If the place of residence is in a city, include the street and street number if any, thereof); that he/she/they know(s) _____

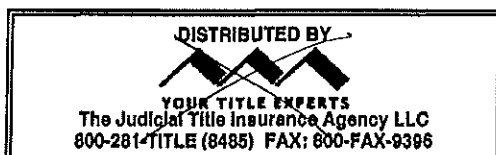
to be the individual described in and who executed the foregoing instrument; that said subscribing witness was present and saw said

execute the same; and that said witness at the same time subscribed his/her/their name(s) as a witness thereto

Quitclaim Deed

Title No. _____

CORPUS CHRISTI RESOURCES LLC
TO
ENGLISH KILLS VENTURES LLC



ACKNOWLEDGEMENT TAKEN IN NEW YORK STATE

State of New York, County of _____, ss:
On the _____ day of _____ in the year _____, before me, the undersigned, personally appeared _____

_____, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name(s) is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

**ACKNOWLEDGEMENT TAKEN OUTSIDE NEW YORK
STATE OF ISRAEL, JERUSALEM**

*State of _____, County of _____, ss:
*(Or insert District of Columbia, Territory, Possession or Foreign County)

On the 23 day of November in the year 2008
before me the undersigned personally appeared

ASCHER Z. ZWEBNER **ASCHER Z. ZWEBNER**

Personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name(s) is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), that by his/her/their signature(s) on the instrument, the individual(s) or the person upon behalf of which the individual(s) acted, executed the instrument, and that such individual make such appearance before the undersigned in the

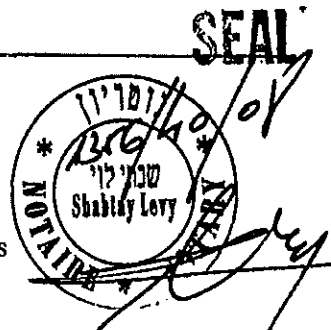
(add the city or political subdivision and the state or country or other place the acknowledgement was taken).

SECTION: _____

BLOCK: 2942

LOT: 207

COUNTY OR TOWN: KINGS



RETURN BY MAIL TO:

Land Track Title Agency, LLC
750 Chestnut Ridge Road
Chestnut Ridge, NY 10977

EXHIBIT "A"

ALL that certain plot, place or parcel of land, with the buildings and improvements thereon erected, situate, lying and being in the Borough of Brooklyn, County of Kings, City and State of New York, bounded and described as follows:

BEGINNING at a point on the easterly side of Morgan Avenue distant 139 feet northerly from the corner formed by the intersection of the easterly side of Morgan Avenue with the northerly side of Scholes Street if extended;

THENCE northerly along the easterly side of Morgan Avenue 221 feet;

THENCE easterly at right angles to Morgan Avenue 489 feet to the westerly side of English Kills Canal;

THENCE southerly along the westerly side of English Kills Canal 158 feet 6 inches to the point distant 201 feet 6 inches northerly from the corner formed by the intersection of the westerly side of English Kills Canal with the northerly side of Scholes Street if extended;

THENCE westerly at right angles to Morgan Avenue said land conveyed to Charles Schaefer, Jr. and others 129 feet 9 1/4 inches;

THENCE southwesterly along said land 42 feet 8 inches to a point in a line drawn parallel with easterly side of Morgan Avenue and distant 339 feet easterly therefrom;

THENCE southerly parallel with Morgan Avenue along said heretofore conveyed to Charles Schaefer, Jr., 24 feet 11 inches more or less to a point in a line drawn at right angles to Morgan Avenue from the point or place of BEGINNING which said point is in northerly side of land conveyed by 180 Morgan Avenue Realty Corp., and;

THENCE westerly at right angles to Morgan Avenue 339 feet to the easterly side of Morgan Avenue at the point or place of BEGINNING.

SUBJECT to the right of way in liber 4091 mp 73 and easement in liber 6292 cp 390.

BEING known by the street number 200 Morgan Avenue, Brooklyn, New York.

This deed is conveying
Block: 2942
Lot: 207

SHABTAY LEVY
ADVOCATE & NOTARY

מס' 1356/40/08

אימות חתימה

אני הח"מ שבתי לוי נוטריון בירושלים מאשר כי ביום 23.11.08 ניצב לפני מר אשר-זליג צובנר
שזהותו הוכחה לי על פי דרכון בריטי שמספרו 706042615 שניתן ע"י הרשות הבריטית ביום
30.06.2006 וחתם מרצונו החופשי על המסמך המצורף והמסומן במספר 1356/40/08.
ולראיה הנני מאמת את חתימתו של מר אשר-זליג צובנר בחתימת ידי ובחותמי היום: 23.11.08.

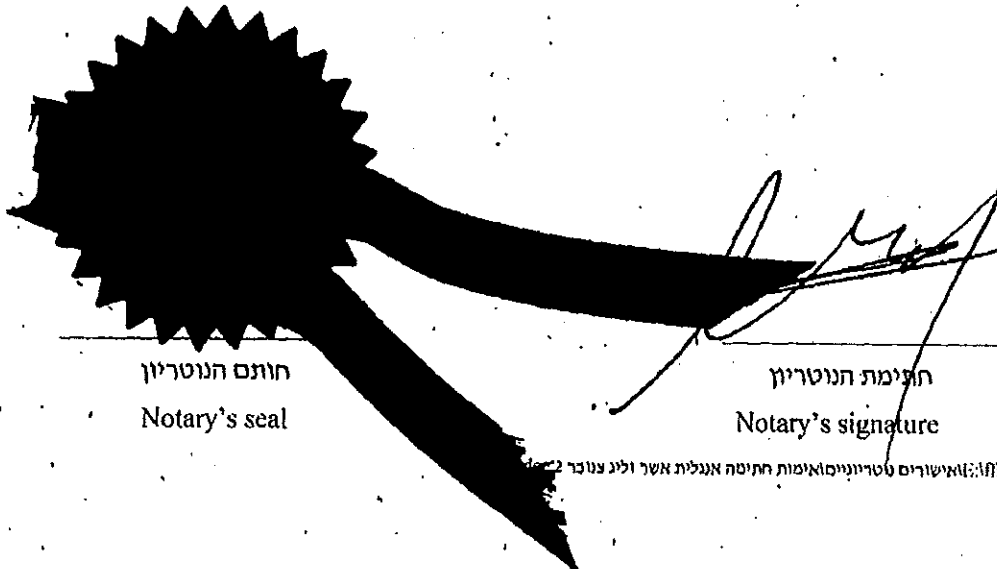
שכר שירותים בסך - - 144 ₪ ומע"מ שולם.

No.1356/40/08

AUTHENTICATION OF SIGNATURE

I the undersigned Shabtay Levy, Notary at Jerusalem, Israel hereby certify that on
November 23, 2008 there appeared before me Ascher Z. Zwebner whose identity
Authority was proved to me by British passport No.706042615 issued by the British
on 30 June 2006 and signed of his own free will the attached document marked
1356/40/08.

In witness whereof I hereby authenticate the signature of Ascher Z. Zwebner by my
own signature and seal this 23.11.2008.

A large, dark, star-shaped notary seal is positioned on the left. A long, dark, curved line representing the notary's signature extends from the seal towards the right, ending near the signature of the client. The client's signature is written in cursive and is located to the right of the notary's signature line.

חותם הנוטריון
Notary's seal

חתימת הנוטריון
Notary's signature

אישורים טריוניים אימות חתימה אנגלית אשר זליג צובנר

12 Beith Hadfuss St. Jerusalem 95483 Israel Tel. 972-2-6513131 Fax. 972-2-6527788

E-mail: levylaw@gmail.com

אילנה שביב

אילנה שביב

24-11-2008

APOSTILLE

24-11-2008

ILANA (Convention de la Haye du 5 Octobre 1961)

SHVIV

1. STATE OF ISRAEL
This public document
מדינת ישראל
מסמך ציבורי זה
2. Has been signed by
Advocate SHABTAI LEVI
נחתם בידי
עו"ד שבתאי לוי
3. acting in capacity of Notary.
חמכתו בתור נוטריון.
4. bears the seal/stamp of
the above Notary
נושא את החותם/החותמת
של הנוטריון הנ"ל
אנוש
5. at the Magistrates' Court, Jerusalem
בית משפט השלום ירושלים
6. Date 24 11 2008
ביום
7. by an official appointed by
Minister of Justice under the
Notaries Law, 1976.
על ידי מי שמונה בידי שר
המשפטים לפי חוק הנוטריונים,
התשל"ו-1976.
8. Serial number 32007/08
מס' סידורי
9. Seal/Stamp
אילנה שביב
החותם/החותמת
10. Signature
24-11-2008
חתימה



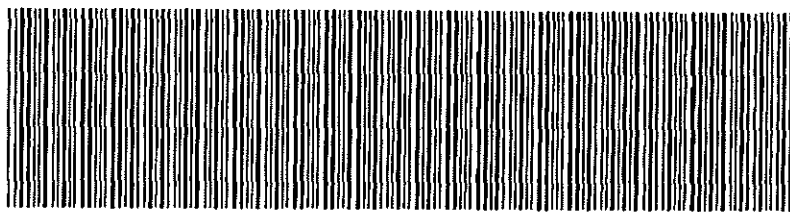
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**NYC DEPARTMENT OF FINANCE
OFFICE OF THE CITY REGISTER**



2008120200614001001S80E8

SUPPORTING DOCUMENT COVER PAGE

PAGE 1 OF 1

Document ID: 2008120200614001

Document Date: 11-23-2008

Preparation Date: 12-02-2008

Document Type: DEED

ASSOCIATED TAX FORM ID: 2008120200196

SUPPORTING DOCUMENTS SUBMITTED:

Page Count

DEP CUSTOMER REGISTRATION FORM FOR WATER AND SEWER BILLING

2

MISCELLANEOUS

13

RP - 5217 REAL PROPERTY TRANSFER REPORT

2

FOR CITY USE ONLY

C1. County Code C2. Date Deed Recorded / /
 Month Day Year

C3. Book OR C4. Page
 C5. CRFN



REAL PROPERTY TRANSFER REPORT

STATE OF NEW YORK
 STATE BOARD OF REAL PROPERTY SERVICES

RP - 5217NYC

(Rev 11/2002)

PROPERTY INFORMATION

1. Property Location n/a Morgan Avenue Brooklyn 11237
 STREET NUMBER STREET NAME BOROUGH ZIP CODE

2. Buyer Name English Kills Ventures LLC
 LAST NAME / COMPANY FIRST NAME

3. Tax Billing Address NY
 Indicate where future Tax Bills are to be sent if other than buyer address (at bottom of form) LAST NAME / COMPANY FIRST NAME STREET NUMBER AND STREET NAME CITY OR TOWN STATE ZIP CODE

4. Indicate the number of Assessment Roll parcels transferred on the deed 0 0 1 # of Parcels OR ☐ Part of a Parcel

5. Deed Property Size X OR 0 2 3
 FRONT FEET DEPTH ACRES

6. Seller Name Corpus Christi Resources LLC
 LAST NAME / COMPANY FIRST NAME

7. New Construction on Vacant Land ☐

8. Check the box below which most accurately describes the use of the property at the time of sale:

A ☐ One Family Residential C ☐ Residential Vacant Land E ☐ Commercial G ☐ Entertainment / Amusement I ☐ Industrial
 B ☐ 2 or 3 Family Residential D ☒ Non-Residential Vacant Land F ☐ Apartment H ☐ Community Service J ☐ Public Service

SALE INFORMATION

10. Sale Contract Date 11 / / 2008
 Month Day Year

11. Date of Sale / Transfer 11 / / 2008
 Month Day Year

12. Full Sale Price 0
 (Full Sale Price is the total amount paid for the property including personal property. This payment may be in the form of cash, other property or goods, or the assumption of mortgages or other obligations.) Please round to the nearest whole dollar amount.

13. Indicate the value of personal property included in the sale 0

14. Check one or more of these conditions as applicable to transfer:

A ☐ Sale Between Relatives or Former Relatives
 B ☐ Sale Between Related Companies or Partners in Business
 C ☐ One of the Buyers is also a Seller
 D ☐ Buyer or Seller is Government Agency or Lending Institution
 E ☐ Deed Type not Warranty or Bargain and Sale (Specify Below)
 F ☐ Sale of Fractional or Less than Fee Interest (Specify Below)
 G ☐ Significant Change in Property Between Taxable Status and Sale Dates
 H ☐ Sale of Business is Included in Sale Price
 I ☐ Other Unusual Factors Affecting Sale Price (Specify Below)
 J ☐ None

ASSESSMENT INFORMATION - Data should reflect the latest Final Assessment Roll and Tax Bill

15. Building Class 16. Total Assessed Value (of all parcels in transfer) 6 0 3 0 0

17. Borough, Block and Lot / Roll Identifier(s) (If more than three, attach sheet with additional identifier(s))

Block 2942 lot 207

KINGS COUNTY

CERTIFICATION

I certify that all of the items of information entered on this form are true and correct (to the best of my knowledge and belief) and I understand that the making of any willful false statement of material fact herein will subject me to the provisions of the penal law relative to the making and filing of false instruments.

BUYER
 11 2008
 BUYER SIGNATURE DATE
10103 Fondren Rd - Suite 425
 STREET NUMBER STREET NAME (AFTER SALE)

HOUSTON, TEXAS 77096
 CITY OR TOWN STATE ZIP CODE

BUYER'S ATTORNEY

 LAST NAME FIRST NAME

 TELEPHONE NUMBER
 SELLER
 11 2008
 SELLER SIGNATURE DATE

FOR CITY USE ONLY

C1. County Code C2. Date Deed Recorded / /
 Month Day Year

C3. Book OR C4. Page
 C5. CRFN



REAL PROPERTY TRANSFER REPORT

 STATE OF NEW YORK
 STATE BOARD OF REAL PROPERTY SERVICES

RP - 5217NYC

(Rev 11/2002)

PROPERTY INFORMATION

1. Property Location N/A MORGAN AVENUE BROOKLYN 00000
 STREET NUMBER STREET NAME BOROUGH ZIP CODE

2. Buyer Name ENGLISH KILLS VENTURES LLC
 LAST NAME / COMPANY FIRST NAME

3. Tax Billing Address
 Indicate where future Tax Bills are to be sent if other than buyer address (at bottom of form) LAST NAME / COMPANY FIRST NAME

4. Indicate the number of Assessment Roll parcels transferred on the deed 1 # of Parcels OR ☐ Part of a Parcel

5. Deed Property Size X OR ACRES
 FRONT FEET DEPTH

6. Seller Name CORPUS CHRISTI RESOURCES LLC
 LAST NAME / COMPANY FIRST NAME

7. New Construction on Vacant Land ☐

8. Check the box below which most accurately describes the use of the property at the time of sale:

A ☐ One Family Residential C ☐ Residential Vacant Land E ☒ Commercial G ☐ Entertainment / Amusement I ☐ Industrial
 B ☐ 2 or 3 Family Residential D ☐ Non-Residential Vacant Land F ☐ Apartment H ☐ Community Service J ☐ Public Service

SALE INFORMATION

10. Sale Contract Date 11 / 23 / 2008
 Month Day Year

11. Date of Sale / Transfer 11 / 23 / 2008
 Month Day Year

12. Full Sale Price \$ 0
 (Full Sale Price is the total amount paid for the property including personal property. This payment may be in the form of cash, other property or goods, or the assumption of mortgages or other obligations.) Please round to the nearest whole dollar amount.

13. Indicate the value of personal property included in the sale

14. Check one or more of these conditions as applicable to transfer:

A ☐ Sale Between Relatives or Former Relatives
 B ☐ Sale Between Related Companies or Partners in Business
 C ☐ One of the Buyers is also a Seller
 D ☐ Buyer or Seller is Government Agency or Lending Institution
 E ☐ Deed Type not Warranty or Bargain and Sale (Specify Below)
 F ☐ Sale of Fractional or Less than Fee Interest (Specify Below)
 G ☐ Significant Change in Property Between Taxable Status and Sale Dates
 H ☐ Sale of Business is Included in Sale Price
 I ☐ Other Unusual Factors Affecting Sale Price (Specify Below)
 J ☒ None

ASSESSMENT INFORMATION - Data should reflect the latest Final Assessment Roll and Tax Bill

15. Building Class Z, 9 16. Total Assessed Value (of all parcels in transfer)

17. Borough, Block and Lot / Roll Identifier(s) (If more than three, attach sheet with additional Identifier(s))
BROOKLYN 2942 207

CERTIFICATION

I certify that all of the items of information entered on this form are true and correct (to the best of my knowledge and belief) and I understand that the making of any willful false statement of material fact herein will subject me to the provisions of the penal law relative to the making and filing of false instruments.

BUYER

BUYER'S ATTORNEY

BUYER SIGNATURE DATE

STREET NUMBER STREET NAME (AFTER SALE)

CITY OR TOWN STATE ZIP CODE

LAST NAME FIRST NAME

AREA CODE TELEPHONE NUMBER

SELLER

SELLER SIGNATURE DATE

2008120200196201

THE CITY OF NEW YORK
DEP
 DEPARTMENT OF
 ENVIRONMENTAL PROTECTION

The City of New York
 Department of Environmental Protection
 Bureau of Customer and Conservation Services
 59-17 Junction Boulevard
 Corona, NY 11368-5107
Customer Registration Form for Water and Sewer Billing

Property Owner Information(1) Property is located in the borough of: BROOKLYNBlock: 0 2 9 4 2 Lot: 0 2 0 7Meter # (if available):

(2) Service Address:

Street 186-200 Morgan AvenueCity BrooklynState, Zip New York , 11237 - 1014

(3) Mailing Address (if different from Service Address)

10103 Fondren Rd - Suite 425HoustonTexas , 77096 - (4) Owner's Name: Business: English Kills Ventures LLC

OR

Individual: _____

(Last Name)

(First Name)

(MI)

(5) Owner's Telephone Number:

Residence: (____) _____ - _____ Business: (____) _____ - _____

Customer Billing Information

(Please provide the following information about the customer responsible for paying water/sewer bills at this premise.)

(6) Account Number (if available): _____

(7) Name: Business: _____

Individual: _____

(Last Name)

(First Name)

(MI)

(8) Mailing Address:

Street _____

City _____ State _____ Zip _____

(9) Relationship of Customer to this premise (Check one) Agent: ☐ Owner: ☒ Tenant: ☐**Owner's Approval:**

(The property owner must approve someone as a customer at this property. The failure by a Customer to pay the water/sewer bills will initiate "Delinquency" actions which may ultimately result in the property being taken over by the City or placed in a lien sale.)

(10) Owner's EIN OR SSN: 26-3659123(11) ENGLISH KILLS VENTURES

(Print name and title if applicable)

(12) [Signature]
(Signature)11 / / 2008
(Date)



The City of New York
Department of Environmental Protection
Bureau of Customer Services
59-17 Junction Boulevard
Flushing, NY 11373-5108

Customer Registration Form for Water and Sewer Billing

Property and Owner Information:

- (1) Property receiving service: BOROUGH: BROOKLYN BLOCK: 2842 LOT: 207
- (2) Property Address: N/A MORGAN AVENUE, NEW YORK, NY 00000
- (3) Owner's Name: ENGLISH KILLS VENTURES LLC
- Additional Name:

Affirmation:



Your water & sewer bills will be sent to the property address shown above.

Customer Billing Information:

Please Note:

- A. Water and sewer charges are the legal responsibility of the owner of a property receiving water and/or sewer service. The owner's responsibility to pay such charges is not affected by any lease, license or other arrangement, or any assignment of responsibility for payment of such charges. Water and sewer charges constitute a lien on the property until paid. In addition to legal action against the owner, a failure to pay such charges when due may result in foreclosure of the lien by the City of New York, the property being placed in a lien sale by the City or Service Termination.
- B. Original bills for water and/or sewer service will be mailed to the owner, at the property address or to an alternate mailing address. DEP will provide a duplicate copy of bills to one other party (such as a managing agent), however, any failure or delay by DEP in providing duplicate copies of bills shall in no way relieve the owner from his/her liability to pay all outstanding water and sewer charges. Contact DEP at (718) 595-7000 during business hours or visit www.nyc.gov/dep to provide us with the other party's information.

Owner's Approval:

The undersigned certifies that he/she/it is the owner of the property receiving service referenced above; that he/she/it has read and understands Paragraphs A & B under the section captioned "Customer Billing Information"; and that the information supplied by the undersigned on this form is true and complete to the best of his/her/its knowledge.

Print Name of Owner:

Signature: _____ Date (mm/dd/yyyy)

Name and Title of Person Signing for Owner, if applicable:

**New York City Department of Finance
Office of the City Register**

[\[Click help for additional instructions\]](#)
Selecting a help option will open new window

Current Search Criteria:

Borough: BROOKLYN / KINGS
Block: 2942
Lot: 220 Unit: N/A
Date Range: To Current Date
Document Class: All Document Classes

Detailed Document Information

DOCUMENT ID:	2008120100572001	CRFN:	2008000465452	COLLATERAL:	N/A
# of PAGES:	7	REEL-PAGE:	N/A-N/A	EXPIRATION DATE:	N/A
DOC. TYPE:	DEED	FILE NUMBER:	N/A	ASSESSMENT DATE:	N/A
DOC. DATE:	11/23/2008	RECORDED / FILED:	12/5/2008 12:05:07 PM	SLID #:	N/A
DOC. AMOUNT:	\$600,018.00	BOROUGH:	BROOKLYN	MAP SEQUENCE #:	N/A
% TRANSFERRED:	100%	RPTT #:	N/A		
MESSAGE:	N/A				

PARTY 1

NAME	ADDRESS 1	ADDRESS 2	CITY	STATE	ZIP	COUNTRY
CORPUS CHRISTI RESOURCES LLC	711 N CARANCAHUA STREET	SUITE 728	CORPUS CHRISTI	TX	78475	US

PARTY 2

NAME	ADDRESS 1	ADDRESS 2	CITY	STATE	ZIP	COUNTRY
ENGLISH KILLS VENTURES, LLC	10103 FONDREN RD	SUITE 425	HOUSTON	TX	77096	US

PARTY 3/Other

NAME	ADDRESS 1	ADDRESS 2	CITY	STATE	ZIP	COUNTRY
------	-----------	-----------	------	-------	-----	---------

PARCELS

BOROUGH	BLOCK	LOT	PARTIAL	PROPERTY TYPE	EASEMENT	AIR RIGHTS	SUBTERRANEAN RIGHTS	PROPERTY ADDRESS	UNIT	REMARKS
BROOKLYN / KINGS	2942	101	ENTIRE LOT	OTHER	N	N	N	200 MORGAN AVENUE		
BROOKLYN / KINGS	2942	157	ENTIRE LOT	OTHER	N	N	N	N/A MORGAN AVENUE		
BROOKLYN / KINGS	2942	160	ENTIRE LOT	OTHER	N	N	N	188 MORGAN AVENUE		
BROOKLYN / KINGS	2942	220	ENTIRE LOT	OTHER	N	N	N	N/A MORGAN AVENUE		

REFERENCES

CRFN	DOCUMENT ID	BOROUGH	YEAR	REEL	PAGE	FILE NBR

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**New York City Department of Finance
Office of the City Register**

Selecting a help option will open new window

DOCUMENT ID:
2008120200614001

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**NYC DEPARTMENT OF FINANCE
OFFICE OF THE CITY REGISTER**

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2008120200614001E4E69

RECORDING AND ENDORSEMENT COVER PAGE

PAGE 1 OF 6

Document ID: 2008120200614001

Document Date: 11/23/2008

Preparation Date: 12/02/2008

Document Type: BIDD

Document Page Count: 5

PRESENTOR:

LAND TRACK TITLE
750 CHESTNUT RIDGE ROAD
SPRING VALLEY, NY 10977
845-352-0160
yanky@landtracktitle.com

RETURN TO:

LAND TRACK TITLE
750 CHESTNUT RIDGE ROAD
SPRING VALLEY, NY 10977
845-352-0160
yanky@landtracktitle.com

Borough: BROOKLYN
Block Lot: 2942 207
Partic Lot:
Property Type: OTHER

PROPERTY DATA
Unit:
Address: N/A MORGAN AVENUE

CROSS REFERENCE DATA
CRIN _____ or Document ID _____ or _____ Year _____ Rev _____ Page _____ or File Number _____

GRANTOR/SELLER:

CORPUS CHRISTI RESOURCES LLC
711 N CARANCAHUA STREET, SUITE 228
CORPUS CHRISTI, TX 78415

PARTIES

GRANTEE/BUYER:

ENGLISH KILLS VENTURES LLC
10103 FONDREN RD, SUITE 425
HOUSTON, TX 77026

FEES AND TAXES

Mortgage		
Mortgage Amount:	\$	0.00
Enable Mortgage Amount:	\$	0.00
Exemption:		
TAXES: County (Basic):	\$	0.00
City (Additional):	\$	0.00
Spec (Additional):	\$	0.00
TASSE:	\$	0.00
MLA:	\$	0.00
NYCTPA:	\$	0.00
Additional MRF:	\$	0.00
TOTAL:	\$	0.00
Recording Fee:	\$	63.00
Attorney Fee:	\$	0.00

Filing Fee:	\$	0.00
NYC Real Property Transfer Tax:	\$	0.00
NYS Real Estate Transfer Tax:	\$	0.00



**RECORDED OR FILED IN THE OFFICE
OF THE CITY REGISTER OF THE
CITY OF NEW YORK**

Recorded/Filed: 12-01-2008 11:09
City Register File No. (CRIN):

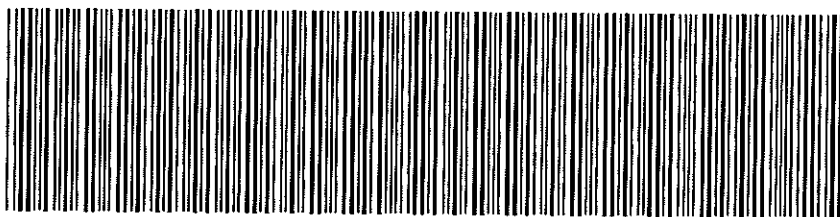
2008000464527

Grant M. Hill

City Register Official Signature

**NYC DEPARTMENT OF FINANCE
OFFICE OF THE CITY REGISTER**

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2008120100572001001E0837

RECORDING AND ENDORSEMENT COVER PAGE

PAGE 1 OF 7

Document ID: 2008120100572001

Document Date: 11-23-2008

Preparation Date: 12-02-2008

Document Type: DEED

Document Page Count: 5

PRESENTER:

LAND TRACK TITLE AGENCY, LLC
750 CHESTNUT RIDGE ROAD
CHESTNUT RIDGE, NY 10977

RETURN TO:

LAND TRACK TITLE AGENCY, LLC
750 CHESTNUT RIDGE ROAD
CHESTNUT RIDGE, NY 10977

PROPERTY DATA

Borough	Block	Lot	Unit	Address
BROOKLYN	2942	101	Entire Lot	200 MORGAN AVENUE

Property Type: OTHER

Borough	Block	Lot	Unit	Address
BROOKLYN	2942	157	Entire Lot	N/A MORGAN AVENUE

Property Type: OTHER

x Additional Properties on Continuation Page

CROSS REFERENCE DATA

CRFN _____ or Document ID _____ or _____ Year _____ Reel _____ Page _____ or File Number _____

PARTIES

GRANTOR/SELLER:

CORPUS CHRISTI RESOURCES LLC
711 N CARANCAHUA STREET, SUITE 728
CORPUS CHRISTI, TX 78475

GRANTEE/BUYER:

ENGLISH KILLS VENTURES, LLC
10103 FONDREN RD, SUITE 425
HOUSTON, TX 77096

FEES AND TAXES

Mortgage

Mortgage Amount: \$ 0.00

Taxable Mortgage Amount: \$ 0.00

Exemption:

TAXES: County (Basic): \$ 0.00

City (Additional): \$ 0.00

Spec (Additional): \$ 0.00

TASF: \$ 0.00

MTA: \$ 0.00

NYCTA: \$ 0.00

Additional MRT: \$ 0.00

TOTAL: \$ 0.00

Recording Fee: \$ 71.00

Affidavit Fee: \$ 0.00

Filing Fee:

\$ 0.00

NYC Real Property Transfer Tax:

\$ 0.00

NYS Real Estate Transfer Tax:

\$ 0.00

**RECORDED OR FILED IN THE OFFICE
OF THE CITY REGISTER OF THE
CITY OF NEW YORK**

Recorded/Filed 12-05-2008 12:05

City Register File No.(CRFN):

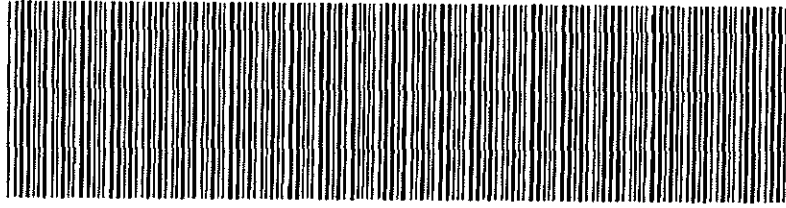
2008000465452



Gaetano M. Hill

City Register Official Signature

NYC DEPARTMENT OF FINANCE
OFFICE OF THE CITY REGISTER



2008120100572001001C0AB7

RECORDING AND ENDORSEMENT COVER PAGE (CONTINUATION) PAGE 2 OF 7

Document ID: 2008120100572001

Document Date: 11-23-2008

Preparation Date: 12-02-2008

Document Type: DEED

PROPERTY DATA

Borough	Block	Lot	Unit	Address
BROOKLYN	2942	160	Entire Lot	186 MORGAN AVENUE
Property Type: OTHER				
Borough	Block	Lot	Unit	Address
BROOKLYN	2942	220	Entire Lot	N/A MORGAN AVENUE
Property Type: OTHER				

CONSULT YOUR LAWYER BEFORE SIGNING THIS INSTRUMENT-THIS INSTRUMENT SHOULD BE USED BY LAWYERS ONLY

THIS INDENTURE, made the 26 day of November, 2008

BETWEEN

Corpus Christi Resources, LLC having an address at 711 N Garcahug Street - Suite 728, Corpus Christi, TX 78475
as debtor-in-possession under Chapter 11 of the U.S. Bankruptcy Code,
Case No.: 07-20576, filed 10/29/2007, Southern District of Texas

party of the first part, and

English Kills Ventures, LLC having an address at 10103 Fondren Rd - Suite 425, Houston, TX 77096

party of the second part,

WITNESSETH, that the party of the first part, in consideration of

paid by the party of the second part, does hereby grant and release unto the party of the second part, the heirs
or successors and assigns of the party of the second part forever, \$10,00 dollars

ALL that certain plot, piece or parcel of land, with the buildings and improvements thereon erected, situate,
lying and being in the
State of New York, County of Kings, and more fully described in Schedule A attached hereto and made a part hereof.

TOGETHER with all right, title and interest, if any, of the party of the first part in and to any streets and roads
abutting the above described premises to the center lines thereof; TOGETHER with the appurtenances and all
the estate and rights of the party of the first part in and to said premises; TO HAVE AND TO HOLD the
premises herein granted unto the party of the second part, the heirs or successors and assigns of the party of
the second part forever.

AND the party of the first part covenants that the party of the first part has not done or suffered anything
whereby the said premises have been encumbered in any way whatever, except as aforesaid.

AND the party of the first part, in compliance with Section 13 of the Lien Law, covenants that the party of the
first part will receive the consideration for this conveyance and will hold the right to receive such consideration
as a trust fund to be applied first for the purpose of paying the cost of the improvement and will apply the same
first to the payment of the cost of the improvement before using any part of the total of the same for any other
purpose. The word "party" shall be construed as if it read "parties" when ever the sense of this indenture so
requires.

IN WITNESS WHEREOF, the party of the first part has duly executed this deed the day and year first above
written.

IN PRESENCE OF:

Corpus Christi Resources LLC

Ascher Z. Zwebner, Trustee

ACKNOWLEDGEMENT TAKEN IN NEW YORK STATE

State of New York, County of _____, ss:

On the _____ day of _____ in the year _____, before me, the undersigned, personally appeared _____,

personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name(s) is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

ACKNOWLEDGEMENT BY SUBSCRIBING WITNESS TAKEN IN NEW YORK STATE

State of New York, County of _____, ss:

On the _____ day of _____ in the year _____, before me, the undersigned, a Notary Public in and for said State, personally appeared _____,

the subscribing witness to the foregoing instrument, with whom I am personally acquainted, who, being by me duly sworn, did depose and say that he/she/they reside(s) in _____

(if the place of residence is in a city, include the street and street number if any, thereof), that he/she/they know(s)

to be the individual described in and who executed the foregoing instrument; that said subscribing witness was present and saw said

execute the same; and that said witness at the same time subscribed his/her/their name(s) as a witness thereto

ACKNOWLEDGEMENT TAKEN IN NEW YORK STATE

State of New York, County of _____, ss:

On the _____ day of _____ in the year _____, before me, the undersigned, personally appeared _____,

personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name(s) is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

ACKNOWLEDGEMENT TAKEN OUTSIDE NEW YORK STATE

STATE OF ISRAEL, JERUSALEM

*State of _____, County of _____, ss:

*(Or insert District of Columbia, Territory, Possession or Foreign County)

On the 23 day of November in the year 2007, before me, the undersigned personally appeared

~~ASHER ZWEDNER~~ ASHER Z. ZWEDNER

Personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name(s) is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), that by his/her/their signature(s) on the instrument, the individual(s) or the person upon behalf of which the individual(s) acted, executed the instrument, and that such individual make such appearance before the undersigned in the

(add the city or political subdivision and the state or country or other place the acknowledgement was taken).

Bargain and Sale Deed With Covenants

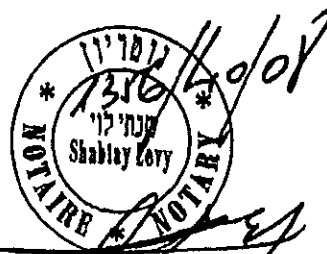
Title No.

CORPUS CHRISTI RESOURCES LLC

TO

ENGLISH KILLS VENTURES LLC

SEAL



SECTION:

BLOCK: 2942

LOT: 101, 157, 160 and 220

COUNTY OR TOWN: KINGS

DISTRIBUTED BY



YOUR TITLE EXPERTS
The Judicial Title Insurance Agency LLC
800-281-TITLE (8485) FAX: 800-FAX-9396

RETURN BY MAIL TO:

Land Track Title Agency, LLC
750 Chestnut Ridge Road
Chestnut Ridge, NY 10977

EXHIBIT "A"

ALL that certain plot, piece or parcel of land, with the buildings and improvements thereon erected, situate, lying and being in the Borough of Brooklyn, County of Kings, City and State of New York, bounded and described as follows:

BEGINNING at a point on the easterly side of Morgan Avenue distant 139 feet northerly from the corner formed by the intersection of the easterly side of Morgan Avenue with the northerly side of Scholes Street if extended;

THENCE northerly along the easterly side of Morgan Avenue 221 feet;

THENCE easterly at right angles to Morgan Avenue 489 feet to the westerly side of English Kills Canal;

THENCE southerly along the westerly side of English Kills Canal 158 feet 6 inches to the point distant 201 feet 6 inches northerly from the corner formed by the intersection of the westerly side of English Kills Canal with the northerly side of Scholes Street if extended;

THENCE westerly at right angles to Morgan Avenue said land conveyed to Charles Schaefer, Jr. and others 129 feet 9 1/4 inches;

THENCE southwesterly along said land 42 feet 8 inches to a point in a line drawn parallel with easterly side of Morgan Avenue and distant 339 feet easterly therefrom;

THENCE southerly parallel with Morgan Avenue along said heretofore conveyed to Charles Schaefer, Jr., 24 feet 11 inches more or less to a point in a line drawn at right angles to Morgan Avenue from the point or place of **BEGINNING** which said point is in northerly side of land conveyed by 180 Morgan Avenue Realty Corp., and;

THENCE westerly at right angles to Morgan Avenue 339 feet to the easterly side of Morgan Avenue at the point or place of **BEGINNING**.

SUBJECT to the right of way in Liber 4091 mp 73 and easement in Liber 6292 cp 390.

BEING known by the street number 200 Morgan Avenue, Brooklyn, New York.

excepting Lot: 207

SHABTAY LEVY
ADVOCATE & NOTARY

מס' 1356/40/08

אימות חתימה

אני הח"מ-שבתי לוי נוטריון בירושלים מאשר כי ביום 23.11.08 ניצב לפני מר אשר-זליג צובנר שזהותו הוכחה לי על פי דרכון בריטי שמספרו 706042615 שניתן ע"י הרשות הבריטית ביום 30.06.2006 וחתם מרצונו החופשי על המסמך המצורף והמסומן במספר 1356/40/08. ולראיה הנני מאמת את חתימתו של מר אשר-זליג צובנר בחתימת ידי ובחותמי היום: 23.11.08.

שכר שירותים בסך - 500 ₪ ומע"מ שולם (נזילה)

No.1356/40/08

AUTHENTICATION OF SIGNATURE

I the undersigned Shabtay Levy, Notary at Jerusalem, Israel hereby certify that on November 23, 2008 there appeared before me Ascher Z. Zwebner whose identity Authority was proved to me by British passport No.706042615 issued by the British on 30 June 2006 and signed of his own free will the attached document marked 1356/40/08.

In witness whereof I hereby authenticate the signature of Ascher Z. Zwebner by my own signature and seal this 23.11.2008.



Notary's seal

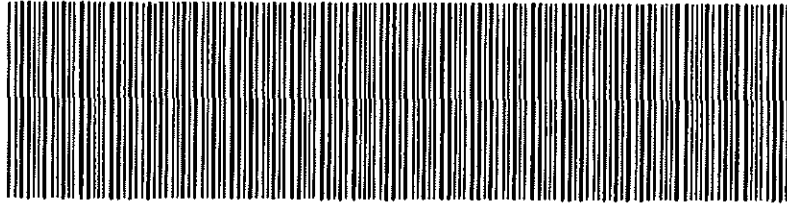
חתימת הנוטריון
Notary's signature

אגודת נוטריונים ונוטריות ישראל תחילה אנגלית אשר

12 Beith Hadfuss St. Jerusalem 95483 Israel Tel. 972-2-6513131 Fax. 972-2-6527788

E-mail: levylaw@gmail.com

**NYC DEPARTMENT OF FINANCE
OFFICE OF THE CITY REGISTER**



2008120100572001001SC6B6

SUPPORTING DOCUMENT COVER PAGE

PAGE 1 OF 1

Document ID: 2008120100572001

Document Date: 11-23-2008

Preparation Date: 12-02-2008

Document Type: DEED

ASSOCIATED TAX FORM ID: 2008111500057

SUPPORTING DOCUMENTS SUBMITTED:

Page Count

DEP CUSTOMER REGISTRATION FORM FOR WATER AND SEWER BILLING
MISCELLANEOUS
RECORDING FEE EXEMPTION DOCUMENTATION
RP - 5217 REAL PROPERTY TRANSFER REPORT

3
15
11
3

FOR CITY USE ONLY

C1. County Code C2. Date Deed Recorded / /
 Month Day Year
 C3. Book C4. Page
 OR
 C5. CRFN



REAL PROPERTY TRANSFER REPORT

STATE OF NEW YORK
 STATE BOARD OF REAL PROPERTY SERVICES

RP - 5217NYC

(Rev 11/2002)

PROPERTY INFORMATION

1. Property Location 186-200 Morgan Avenue Brooklyn 11237
 STREET NUMBER STREET NAME BOROUGH ZIP CODE

2. Buyer Name English Killa Ventures LLC
 LAST NAME / COMPANY FIRST NAME
 LAST NAME / COMPANY FIRST NAME

3. Tax Billing Address
 Indicate where future Tax Bills are to be sent if other than buyer address (at bottom of form)
 LAST NAME / COMPANY FIRST NAME
 STREET NUMBER AND STREET NAME CITY OR TOWN STATE ZIP CODE NY

4. Indicate the number of Assessment Roll parcels transferred on the deed 0 0 4 # of Parcels OR ☐ Part of a Parcel

5. Deed Property Size X OR 2 0 6
 FRONT FEET DEPTH ACRES

6. Seller Name Corpus Christi Resources LLC
 LAST NAME / COMPANY FIRST NAME
 LAST NAME / COMPANY FIRST NAME

4A. Planning Board Approval - N/A for NYC

4B. Agricultural District Notice - N/A for NYC

Check the boxes below as they apply:

6. Ownership Type is Condominium ☐7. New Construction on Vacant Land ☐

9. Check the box below which most accurately describes the use of the property at the time of sale:

A ☐ One Family Residential C ☐ Residential Vacant Land E ☐ Commercial G ☐ Entertainment / Amusement I ☐ Industrial
 B ☐ 2 or 3 Family Residential D ☒ Non-Residential Vacant Land F ☐ Apartment H ☐ Community Service J ☐ Public Service

SALE INFORMATION

10. Sale Contract Date 11 / / 2008
 Month Day Year

11. Date of Sale / Transfer 11 / / 2008
 Month Day Year

12. Full Sale Price 6 0 0 0 1 8
 (Full Sale Price is the total amount paid for the property including personal property. This payment may be in the form of cash, other property or goods, or the assumption of mortgages or other obligations.) Please round to the nearest whole dollar amount.

13. Indicate the value of personal property included in the sale 0

14. Check one or more of these conditions as applicable to transfer:

A ☐ Sale Between Relatives or Former Relatives
 B ☐ Sale Between Related Companies or Partners in Business
 C ☐ One of the Buyers is also a Seller
 D ☐ Buyer or Seller is Government Agency or Lending Institution
 E ☐ Deed Type not Warranty or Bargain and Sale (Specify Below)
 F ☐ Sale of Fractional or Less than Fee Interest (Specify Below)
 G ☐ Significant Change in Property Between Taxable Status and Sale Dates
 H ☐ Sale of Business is Included in Sale Price
 I ☐ Other Unusual Factors Affecting Sale Price (Specify Below)
 J ☐ None

ASSESSMENT INFORMATION - Data should reflect the latest Final Assessment Roll and Tax Bill

15. Building Class 16. Total Assessed Value (of all parcels in transfer)

17. Borough, Block and Lot / Roll Identifier(s) (If more than three, attach sheet with additional Identifier(s))

Block 2942 lots 101, 157, 160 & 220 | KINGS COUNTY

CERTIFICATION

I certify that all of the items of information entered on this form are true and correct (to the best of my knowledge and belief) and I understand that the making of any willful false statement of material fact herein will subject me to the provisions of the penal law relative to the making and filing of false instruments.

BUYER

BUYER SIGNATURE

11 2008
DATE

10103 | Fondren Rd - Suite 425

STREET NUMBER STREET NAME (AFTER SALE)

HOUSTON, TEXAS NY 77096
CITY OR TOWN STATE ZIP CODE

BUYER'S ATTORNEY

LAST NAME

FIRST NAME

AREA CODE

TELEPHONE NUMBER
SELLER

SELLER SIGNATURE

11 2008
DATE

C1. County Code C2. Date Deed Recorded / /
Month Day Year
C3. Book
OR C4. Page
C5. GRFN



STATE OF NEW YORK
STATE BOARD OF REAL PROPERTY SERVICES

RP - 5217NYC

(Rev 11/2002)

1. Property Location	200	MORGAN AVENUE	BROOKLYN	11237
	STREET NUMBER	STREET NAME	BOROUGH	ZIP CODE
2. Buyer Name	ENGLISH KILLS VENTURES, LLC			
	LAST NAME / COMPANY		FIRST NAME	
	LAST NAME / COMPANY		FIRST NAME	
3. Tax Billing Address	Indicate where future Tax Bills are to be sent if other than buyer address (at bottom of form)			
	LAST NAME / COMPANY		FIRST NAME	
	STREET NUMBER AND STREET NAME		CITY OR TOWN	STATE ZIP CODE
4. Indicate the number of Assessment Roll parcels transferred on the deed	4		# of Parcels OR <input type="checkbox"/> Part of a Parcel	4A. Planning Board Approval - N/A for NYC 4B. Agricultural District Notice - N/A for NYC Check the boxes below as they apply: 6. Ownership Type is Condominium <input type="checkbox"/> 7. New Construction on Vacant Land <input type="checkbox"/>
5. Deed Property Size	FRONT FEET	X	DEPTH	OR
			ACRES	
5. Seller Name	CORPUS CHRISTI RESOURCES LLC			
	LAST NAME / COMPANY		FIRST NAME	
	LAST NAME / COMPANY		FIRST NAME	
9. Check the box below which most accurately describes the use of the property at the time of sale:				
A <input type="checkbox"/> One Family Residential	C <input type="checkbox"/> Residential Vacant Land	E <input checked="" type="checkbox"/> Commercial Apartment	G <input type="checkbox"/> Entertainment / Amusement Community Service	I <input type="checkbox"/> Industrial
B <input type="checkbox"/> 2 or 3 Family Residential	D <input type="checkbox"/> Non-Residential Vacant Land	F <input type="checkbox"/> Non-Residential Vacant Land	H <input type="checkbox"/> Community Service	J <input type="checkbox"/> Public Service

10. Sale Contract Date 11 / 23 / 2008
Month / Day / Year

11. Date of Sale / Transfer 11 / 23 / 2008
Month / Day / Year

12. Full Sale Price \$ 6 0 0 0 1 8

(Full Sale Price is the total amount paid for the property including personal property. This payment may be in the form of cash, other property or goods, or the assumption of mortgages or other obligations.) Please round to the nearest whole dollar amount.

13. Indicate the value of personal property included in the sale _____

A	<input type="checkbox"/>	Sale Between Relatives or Former Relatives
B	<input type="checkbox"/>	Sale Between Related Companies or Partners in Business
C	<input type="checkbox"/>	One of the Buyers is also a Seller
D	<input type="checkbox"/>	Buyer or Seller is Government Agency or Lending Institution
E	<input type="checkbox"/>	Deed Type not Warranty or Bargain and Sale (Specify Below)
F	<input type="checkbox"/>	Sale of Fractional or Less than Fee Interest (Specify Below)
G	<input type="checkbox"/>	Significant Change in Property Between Taxable Status and Sale Dates
H	<input type="checkbox"/>	Sale of Business Is Included in Sale Price
I	<input type="checkbox"/>	Other Unusual Factors Affecting Sale Price (Specify Below)
J	<input checked="" type="checkbox"/>	None

15. Building Class F, 9 16. Total Assessed Value (of all parcels in transfer) 1

17. Borough, Block and Lot / Roll Identifier(s) (If more than three, attach sheet with additional Identifier(s))

BROOKLYN 2942 101 || BROOKLYN 2942 157 || BROOKLYN 2942 160

CERTIFICATION I certify that all of the items of information entered on this form are true and correct (to the best of my knowledge and belief) and I understand that the making of any willful false statement of material fact herein will subject me to the provisions of the penal law relative to the making and filing of false instruments.

BUYER'S ATTORNEY

LAST NAME		FIRST NAME	
845		735-6300	
AREA CODE		TELEPHONE NUMBER	
SELLER			
SELLER SIGNATURE		DATE	

2008111500057201

<p>THE CITY OF NEW YORK</p> <p style="text-align: center;">DEP</p> <p>DEPARTMENT OF ENVIRONMENTAL PROTECTION</p>	<p style="text-align: center;">The City of New York Department of Environmental Protection Bureau of Customer and Conservation Services 59-17 Junction Boulevard Corona, NY 11368-5107</p> <p style="text-align: center;">Customer Registration Form for Water and Sewer Billing</p>
---	---

Property Owner Information

(1) Property is located in the borough of: BROOKLYN

Block: 0 2 9 4 2 Lot: 0 1 0 1

Meter # (if available): ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

(2) Service Address: Street 186-200 Morgan Avenue
City Brooklyn
State, Zip New York, 11237 - 1014

(3) Mailing Address (if different from Service Address) 10103 Fondren Rd - Suite 425
Houston
Texas, 77096 -

(4) Owner's Name: Business: English Kills Ventures LLC OR
Individual: _____
(Last Name) (First Name) (MI)

(5) Owner's Telephone Number:
Residence: (____) _____ - _____ Business: (____) _____ - _____

Customer Billing Information
(Please provide the following information about the customer responsible for paying water/sewer bills at this premise.)

(6) Account Number (if available): _____

(7) Name: Business: _____
Individual: _____
(Last Name) (First Name) (MI)

(8) Mailing Address:
Street _____
City _____ State _____ Zip _____

(9) Relationship of Customer to this premise (Check one) Agent: ☒ Owner: ☐ Tenant: ☐

Owner's Approval:
(The property owner must approve someone as a customer at this property. The failure by a Customer to pay the water/sewer bills will initiate "Delinquency" actions which may ultimately result in the property being taken over by the City or placed in a lien sale.)

(10) Owner's EIN OR SSN: 26-3659123

(11) ENGLISH KILLS VENTURES
(Print name and title if applicable)

(12) [Signature] _____ / ____ / ____
(Signature) (Date)

אפוסטיל		אפוסטיל	
24-11-2008		24-11-2008	
APOSTILLE		APOSTILLE	
(Convention de la Haye du 5 Octobre 1961)		(Convention de la Haye du 5 Octobre 1961)	
ILANA	SHVIT	ILANA	SHVIT
1. STATE OF ISRAEL	1. מדינת ישראל		
This public document	מסמך ציבורי זה		
2. Has been signed by	2. נחתם בידי		
Advocate <i>Shabtay Levy</i>	עו"ד <i>שבתאי לוי</i>		
3. acting in capacity of Notary.	3. המכהן בתור נוטריון.		
4. bears the seal/stamp of the above Notary	4. נושא את החותם/החותמת של הנוטריון הנ"ל		
Certified	אושר		
5. at the Magistrates' Court, Jerusalem	5. בבית משפט השלום ירושלים		
6. Date 24 11 2008	6. ביום 24 11 2008		
7. by an official appointed by Minister of Justice under the Notaries Law, 1976.	7. על ידי מי שמונה בידי שר המשפטים לפי חוק הנוטריונים, 1976.		
8. Serial number 32008/08	8. מס' סידורי 32008/08		
9. Seal/Stamp	9. חותם/חותמת שבכ		
10. Signature 24-11-2008	10. חתימה 24-11-2008		
ILANA	SHVIT	ILANA	SHVIT





The City of New York
Department of Environmental Protection
Bureau of Customer Services
59-17 Junction Boulevard
Flushing, NY 11373-5108

Customer Registration Form for Water and Sewer Billing

Property and Owner Information:

(1) Property receiving service: BOROUGH: BROOKLYN BLOCK: 2942 LOT: 101

(2) Property Address: 200 MORGAN AVENUE, NEW YORK, NY 11237

(3) Owner's Name: ENGLISH KILLS VENTURES, LLC

Additional Name:

Affirmation:



Your water & sewer bills will be sent to the property address shown above.

Customer Billing Information:

Please Note:

- A. Water and sewer charges are the legal responsibility of the owner of a property receiving water and/or sewer service. The owner's responsibility to pay such charges is not affected by any lease, license or other arrangement, or any assignment of responsibility for payment of such charges. Water and sewer charges constitute a lien on the property until paid. In addition to legal action against the owner, a failure to pay such charges when due may result in foreclosure of the lien by the City of New York, the property being placed in a lien sale by the City or Service Termination.
- B. Original bills for water and/or sewer service will be mailed to the owner, at the property address or to an alternate mailing address. DEP will provide a duplicate copy of bills to one other party (such as a managing agent), however, any failure or delay by DEP in providing duplicate copies of bills shall in no way relieve the owner from his/her liability to pay all outstanding water and sewer charges. Contact DEP at (718) 695-7000 during business hours or visit www.nyc.gov/dep to provide us with the other party's information.

Owner's Approval:

The undersigned certifies that he/she/it is the owner of the property receiving service referenced above; that he/she/it has read and understands Paragraphs A & B under the section captioned "Customer Billing Information"; and that the information supplied by the undersigned on this form is true and complete to the best of his/her/its knowledge.

Print Name of Owner:

Signature: _____ Date (mm/dd/yyyy)

Name and Title of Person Signing for Owner, if applicable:

SEE ATTACHED PAGE FOR ADDITIONAL APPLICABLE PROPERTIES



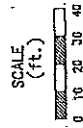
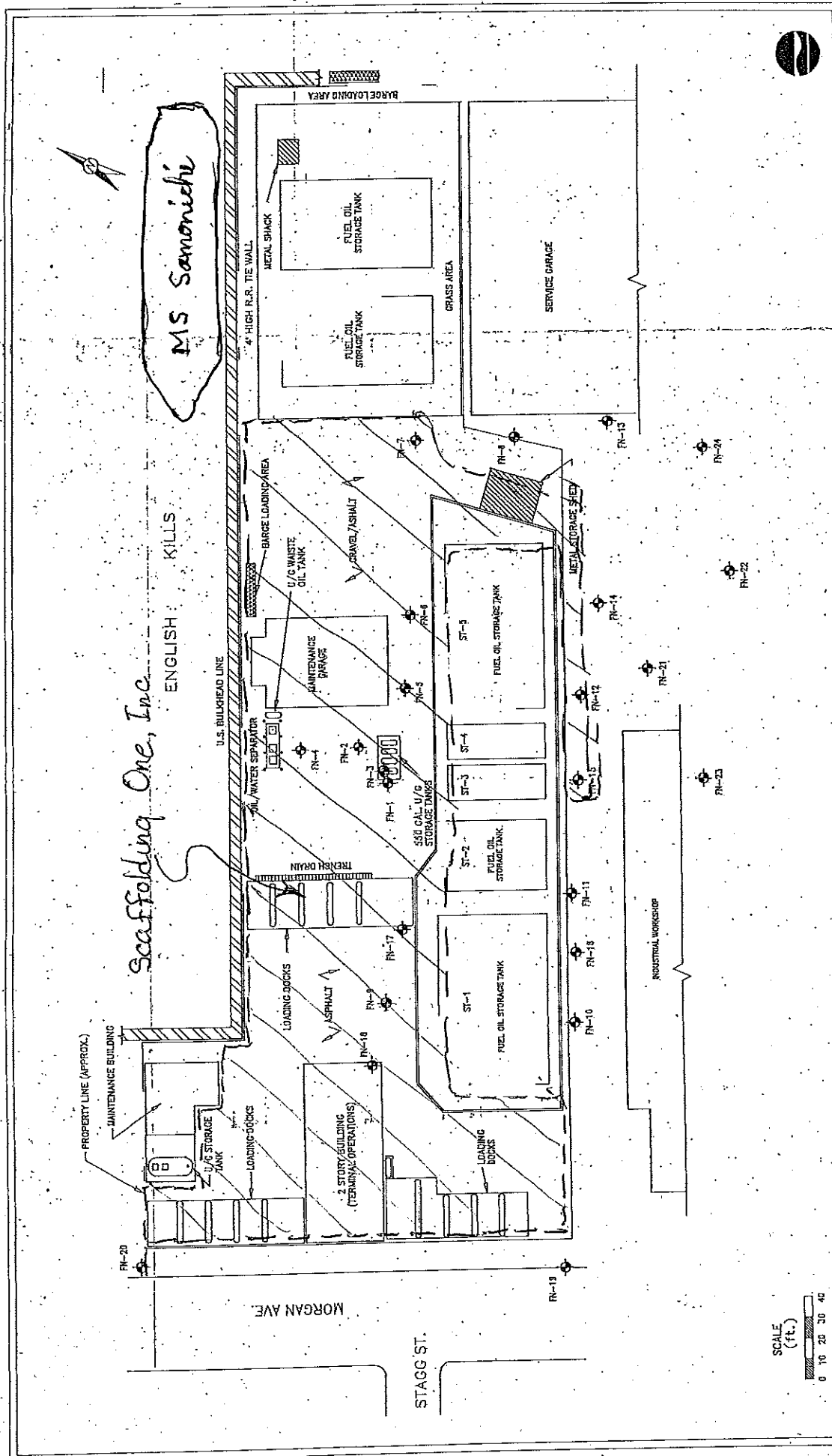
The City of New York
Department of Environmental Protection
Bureau of Customer Services
59-17 Junction Boulevard
Flushing, NY 11373-5108

Customer Registration Form for Water and Sewer Billing

Borough	Block	Lot	Street	City	State	Zip
BROOKLYN	2942	157	N/A MORGAN AVENUE	NY	NY	00000
BROOKLYN	2942	160	186 MORGAN AVENUE	NY	NY	11237
BROOKLYN	2942	220	N/A MORGAN AVENUE	NY	NY	00000

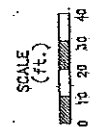
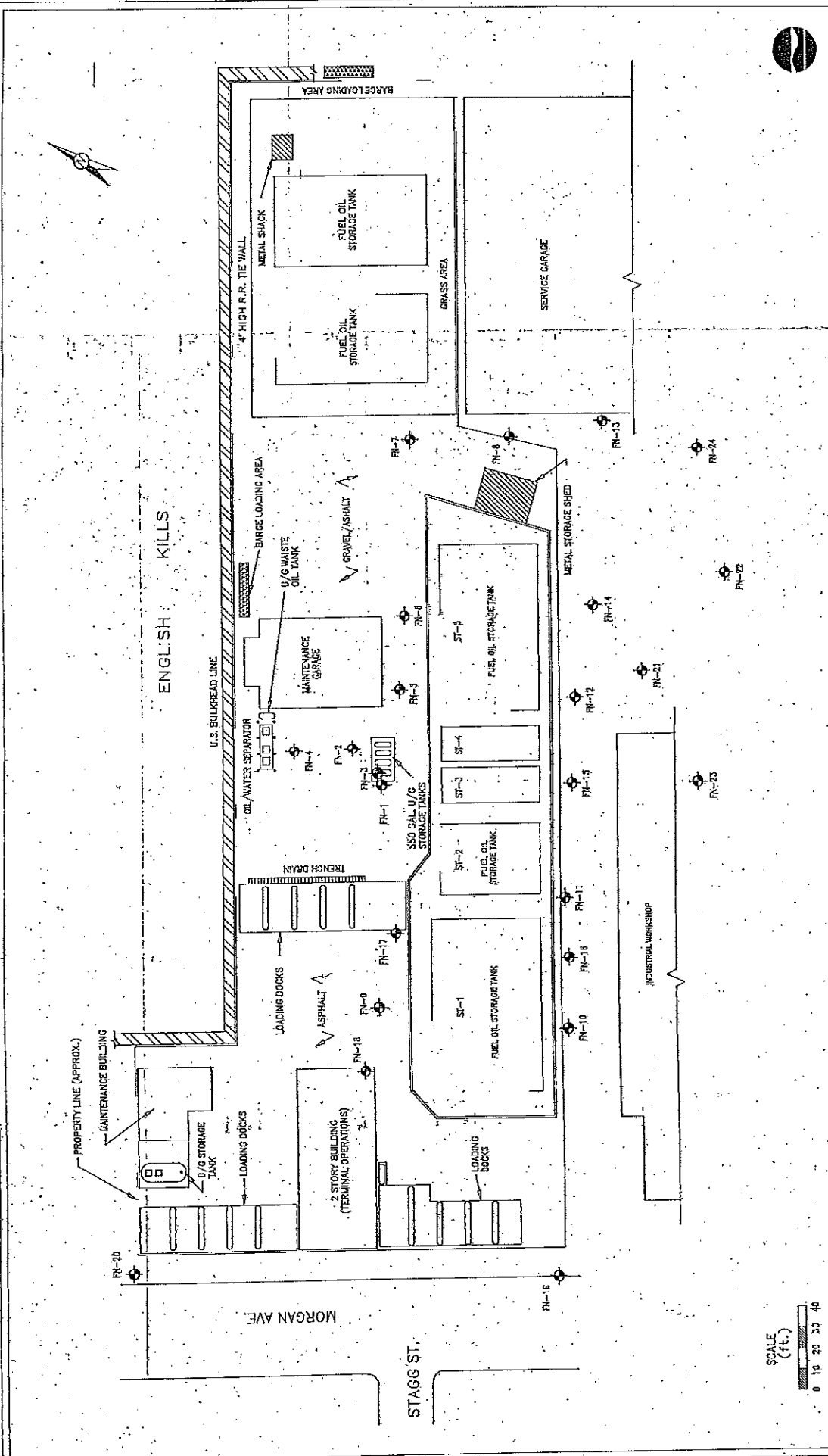
200811150005710101

40



<p>Ferley & Nicol ENVIRONMENTAL SERVICES DIVISION 445 BROOK AVENUE, DEER PARK, NEW YORK 11729 (516) 586-4900</p>	<p>SITE PLAN Facility Plan No. 1 2006 to 2011</p> <p>Reviewed By: U. El Sahomy DECON. DIV. W. KOPPELMAN</p> <p>Date: 02/09/95</p>	<p>MORGAN TERMINAL 200 MORGAN AVENUE BROOKLYN, N.Y. 11237</p>
--	--	--

5(a)(2)



GF Fenley & Nicol
 ENVIRONMENTAL SERVICES DIVISION
 445 BROOK AVENUE, DEER PARK, NEW YORK 11729 (516) 566-4900

MORGAN TERMINAL
 200 MORGAN AVENUE
 BROOKLYN, N.Y. 11237

SITE PLAN

DATE: 02/08/85

Reviewed By: M. El-Sohemy
 Checked By: M. Kozlowski

The site map illustrates the layout of the English Kills area, bounded by Morgan Ave to the north and Staggs St to the east. A dashed line represents the approximate property line. The map includes several key features:

- Buildings:** Maintenance Building, 2-Story Building (Terminal Operations), Industrial Workshop, Service Garage, and a large building with multiple fuel oil storage tanks.
- Storage Tanks:** Fuel Oil Storage Tanks (BT-1, BT-2, BT-3, BT-4, BT-5), UG Waste Oil Tank, and 500 Gall UG Storage Tanks.
- Monitoring Points:** Numerous monitoring points are marked with diamond symbols and labeled, including MW-1 through MW-40.
- Other Features:** A High R/L Tie Wall, a Gravel Area, a Metal Shack, and a Service Garage.
- Orientation:** A North arrow is located in the bottom right corner of the map.

NYSDEC Region II

200 Morgan Ave, Brooklyn, NY

scale: Graphic	date revised: 3/8/04	drawn by:
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Miller Environmental Group, Inc.

1 N12th Street, Brooklyn, NY 11211

Date EDR Searched Historical Sources:

Aerial Photography June 18, 2008

Target Property:

200 Morgan Avenue

Brooklyn, NY 11237

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
1954	Aerial Photograph. Scale: 1"=750'	Panel #: 2440073-F8/Flight Date: January 04, 1954	EDR
1966	Aerial Photograph. Scale: 1"=750'	Panel #: 2440073-F8/Flight Date: February 23, 1966	EDR
1975	Aerial Photograph. Scale: 1"=750'	Panel #: 2440073-F8/Flight Date: March 27, 1975	EDR
1984	Aerial Photograph. Scale: 1"=750'	Panel #: 2440073-F8/Flight Date: April 27, 1984	EDR
1994	Aerial Photograph. Scale: 1"=750'	Panel #: 2440073-F8/Flight Date: April 04, 1994	EDR
2006	Aerial Photograph. Scale: 1"=488'	Flight Year: 2006	EDR



INQUIRY #: 2246784.4

YEAR: 1954

| = 750'





INQUIRY #: 2246784.4

YEAR: 1966

| = 750'





INQUIRY #: 2246784.4

YEAR: 1975

| = 750'

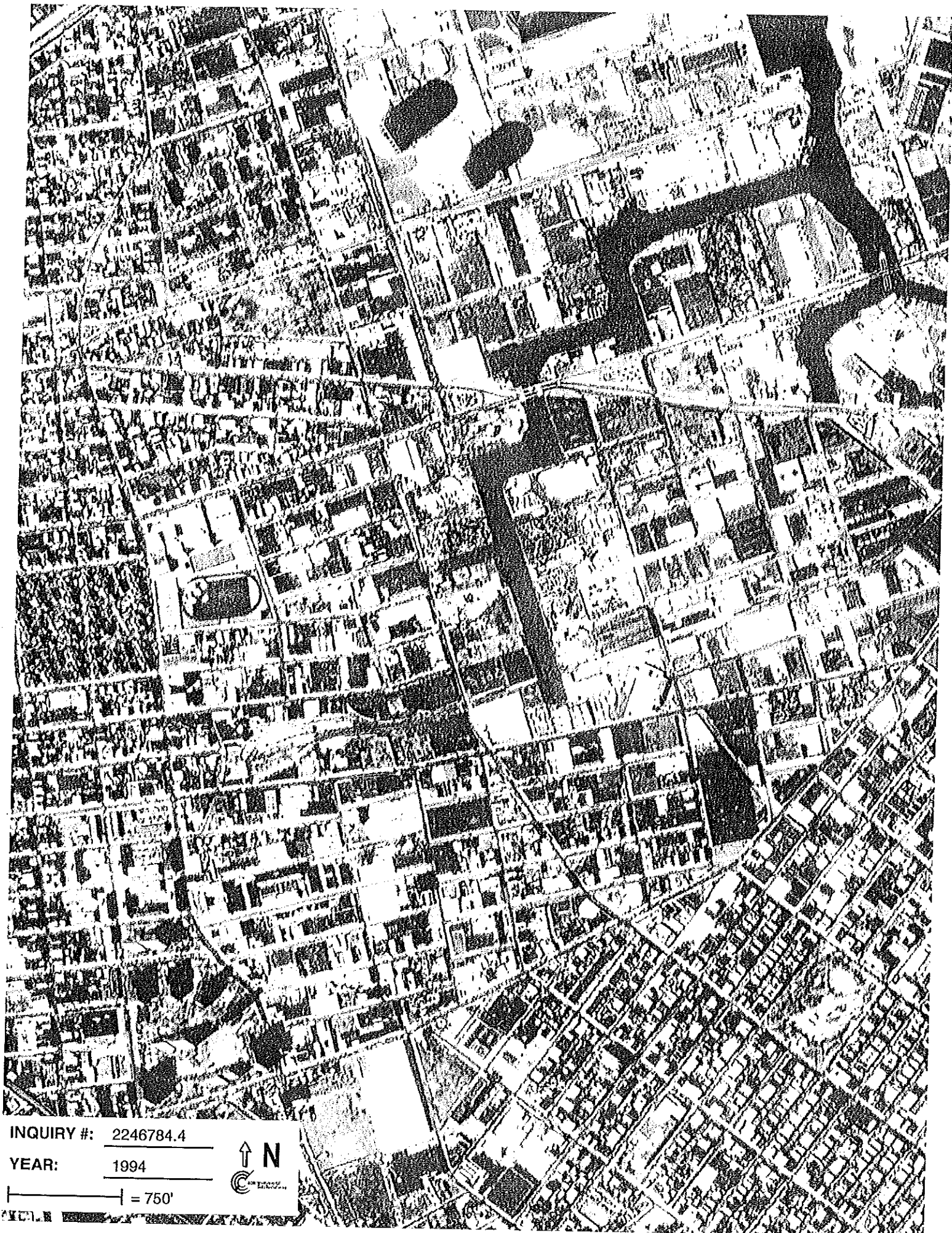


INQUIRY #: 2246784.4

YEAR: 1984

| = 750'





INQUIRY #: 2246784.4

YEAR: 1994

— = 750'





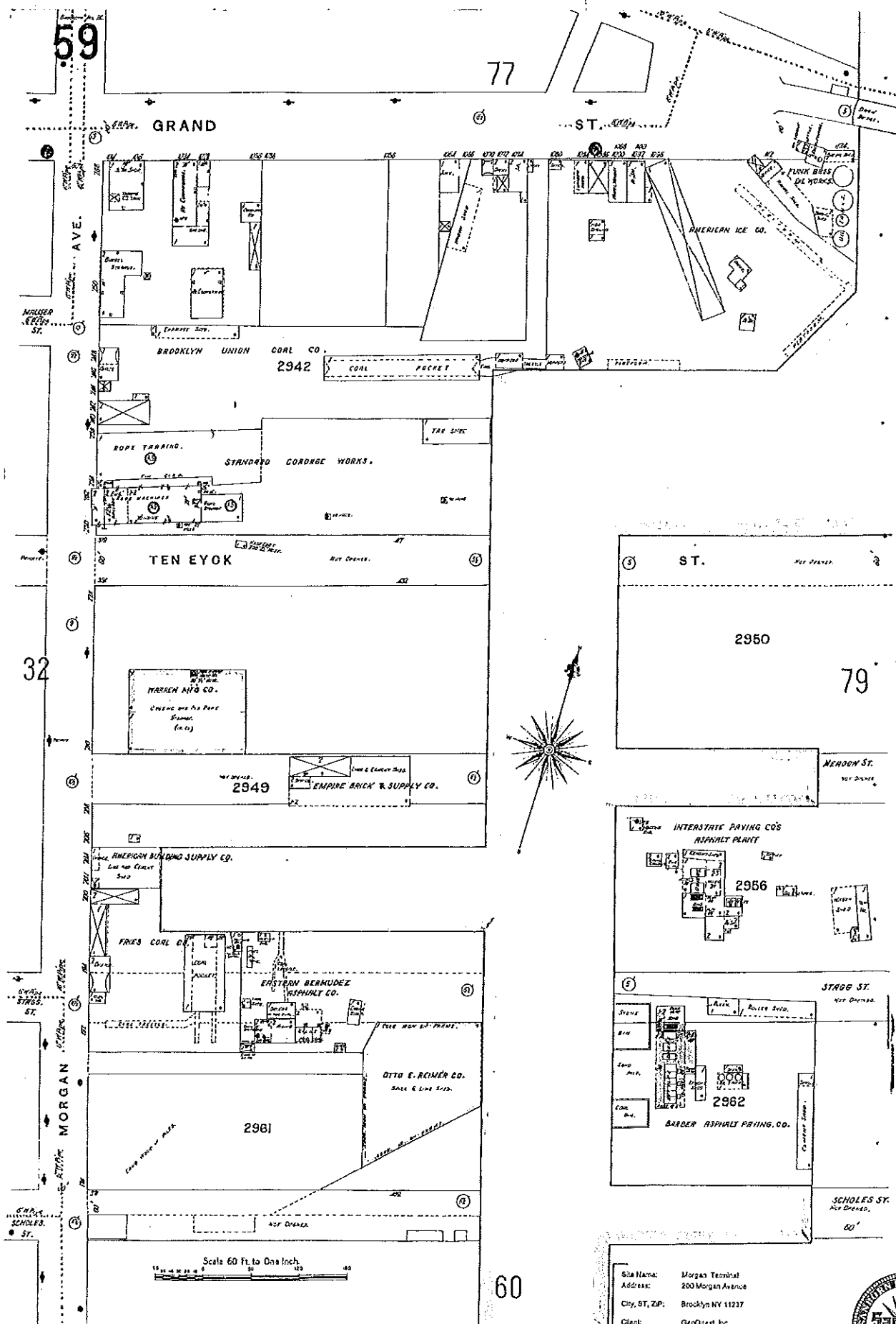
INQUIRY #: 2246784.4

YEAR: 2006

— = 488'



5b.



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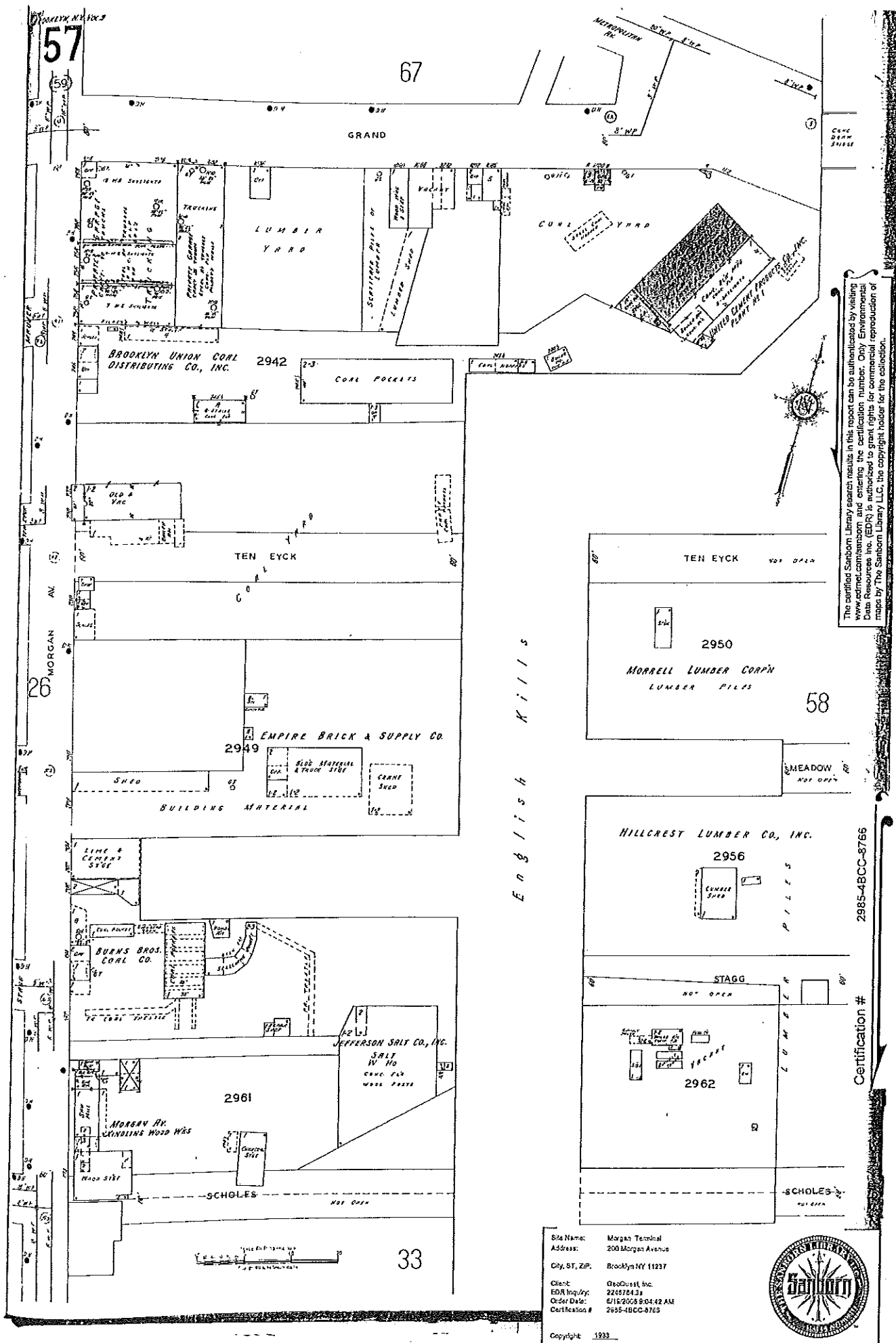
2985-4BCC-8766

Certification #

Site Name: Morgan Terminal
 Address: 200 Morgan Avenue
 City, ST, ZIP: Brooklyn NY 11237
 Client: GeoQuest, Inc.
 EDR Inquiry: 2249734.3a
 Order Date: 8/19/2008 9:04:42 AM
 Certification #: 2985-4BCC-8766



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Site Name: Morgan Terminal
 Address: 200 Morgan Avenue
 City, ST, ZIP: Brooklyn NY 11237
 Client: GeoQuest, Inc.
 EDR Inquiry: 2245784.3a
 Order Date: 6/15/2005 9:04:42 AM
 Certification # 2985-4BCC-8765



Copyright 1933

57

67

GRAND

East
Main
Street

2942

TEN EYCK

2949

BUILDING MATERIAL

PREMIUM COAL & OIL CO. INC.

10 THE LINT LUMBER CO.

2961

2ND HAND
BLOG MATLS

SCHOLES

33

English Kills

TEN EYCK

BLOG MATERIALS

2950

COLUMBI SAND & STONE CO. INC.

58

MEADOW
NOT OPEN

2956

(N. 1214)

STAGG

NOT OPEN

2962

COAL P. H. T. S.

SCHOLES

Site Name: Morgan Terminal
Address: 200 Morgan Avenue
City, ST, ZIP: Brooklyn NY 11237
Client: GeoQuest, Inc.
EDR Inquiry: 2249784.3e
Order Date: 8/19/2008 9:04:42 AM
Certification # 2585-4BCC-8766

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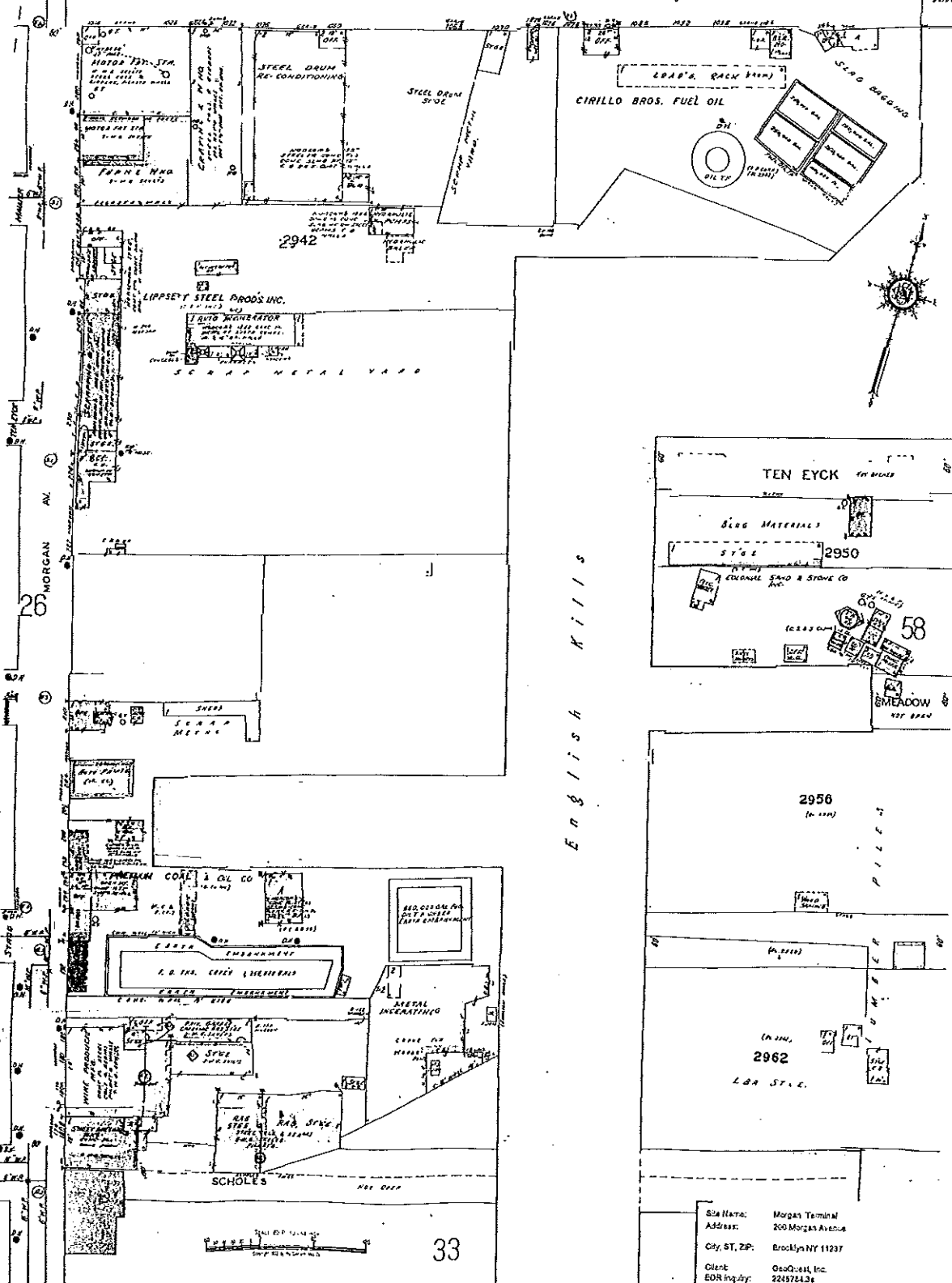
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Certification # 2985-4BCC-8766

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GRAND



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MORGAN AV.

English Kills

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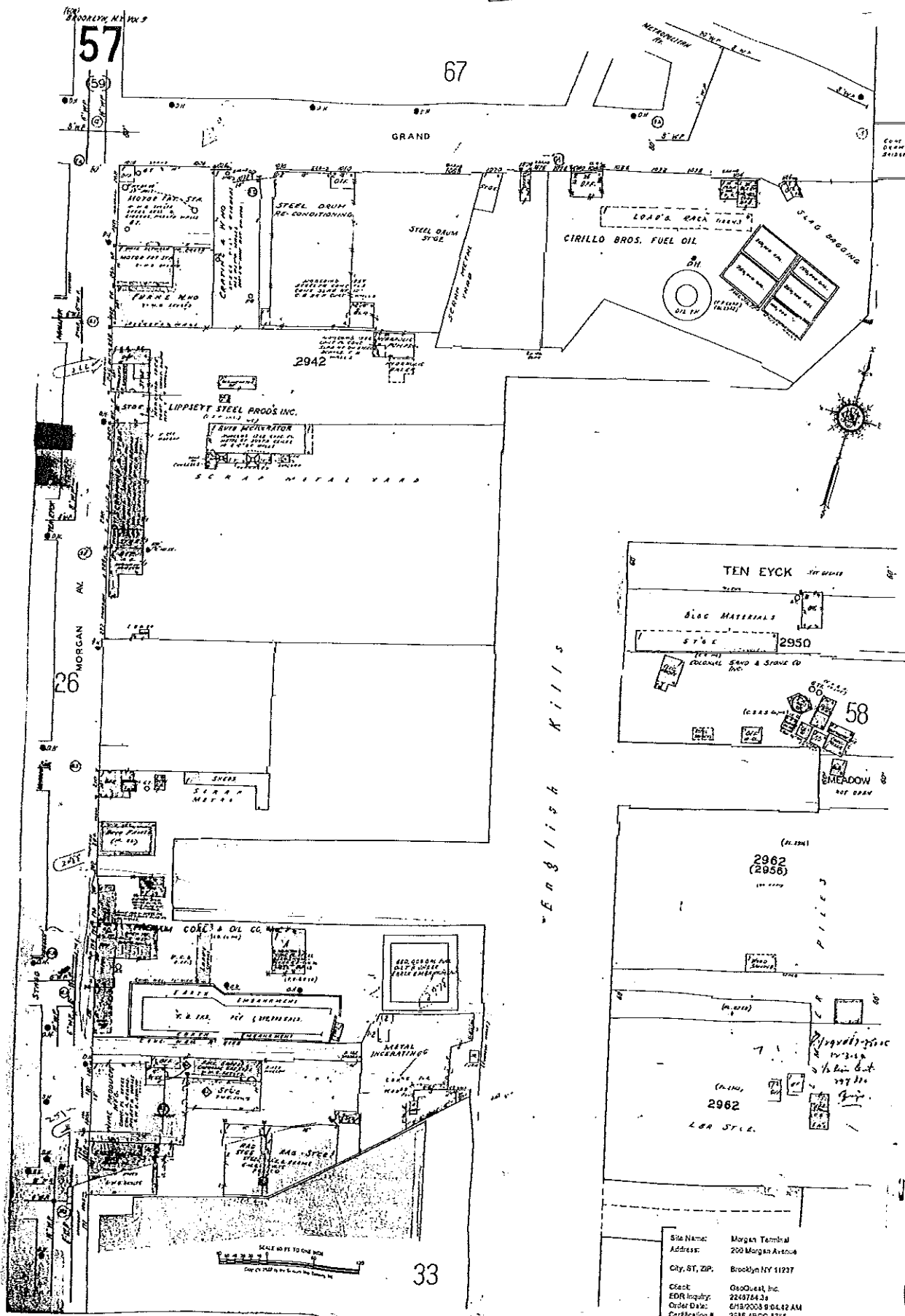
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Certification #

Site Name: Morgan Terminal
Address: 200 Morgan Avenue
City, ST, ZIP: Brooklyn NY 11237
Client: GeoQuest, Inc.
EDR Inquiry: 224578436
Order Date: 6/18/2008 9:04:42 AM
Certification #: 2985-4BCC-8766

Copyright: 1999





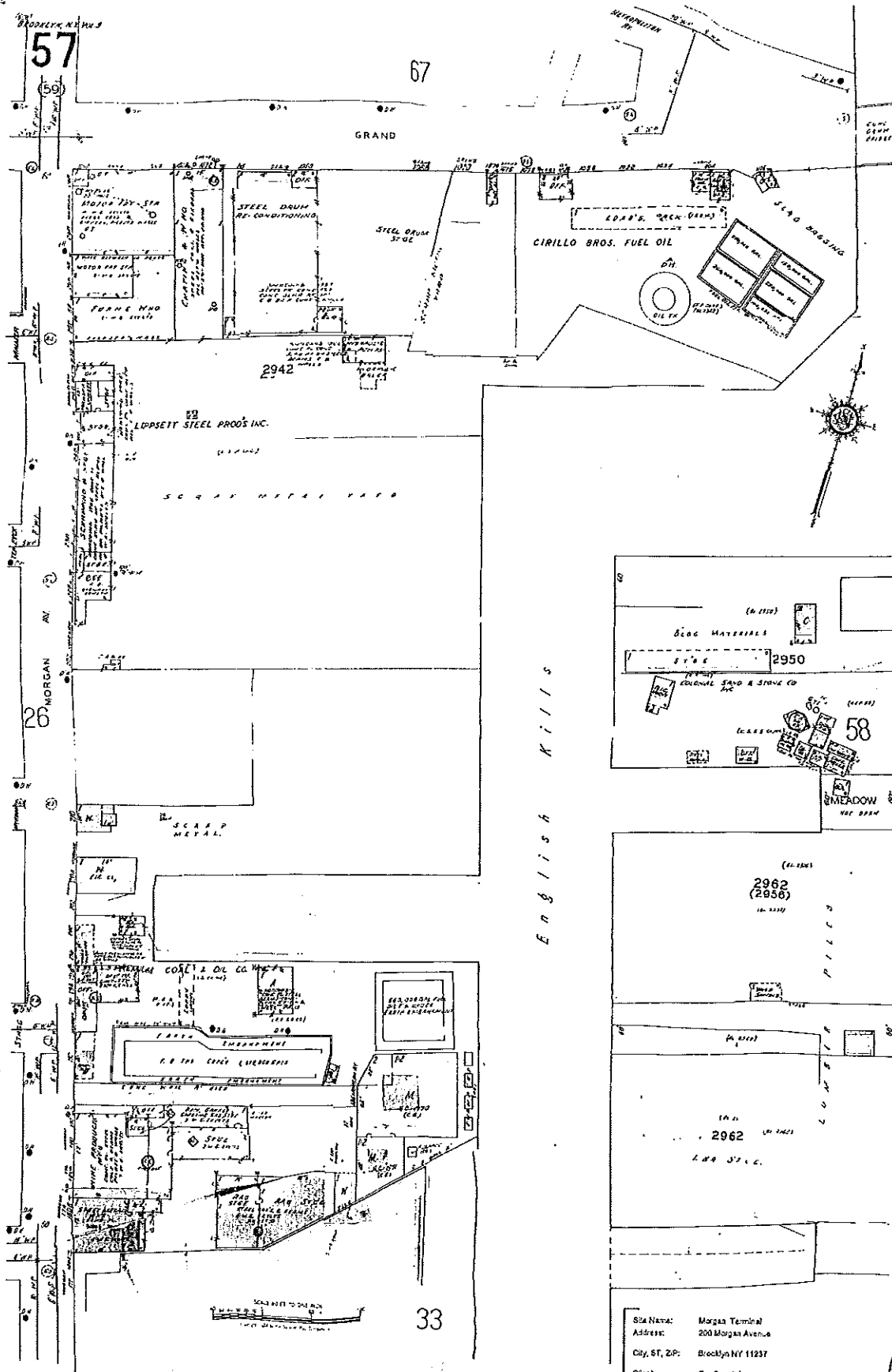
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Certification # 2985-4BCC-8766

Site Name: Morgan Terminal
 Address: 200 Morgan Avenue
 City, ST, ZIP: Brooklyn NY 11237
 Client: OneQuest, Inc.
 EDR Inquiry: 2249764.39
 Order Date: 6/19/2003 9:04:42 AM
 Certification #: 2985-4BCC-8766



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Certification # 2985-48CC-8766

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 Address: 200 Morgan Avenue
 City, ST, ZIP: Brooklyn NY 11237
 Client: GeoSource, Inc.
 EDR Inquiry: 2245724.3s
 Order Date: 8/15/2008 9:04:42 AM
 Certification #: 2985-48CC-8766



Copyright 1977

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GRAND

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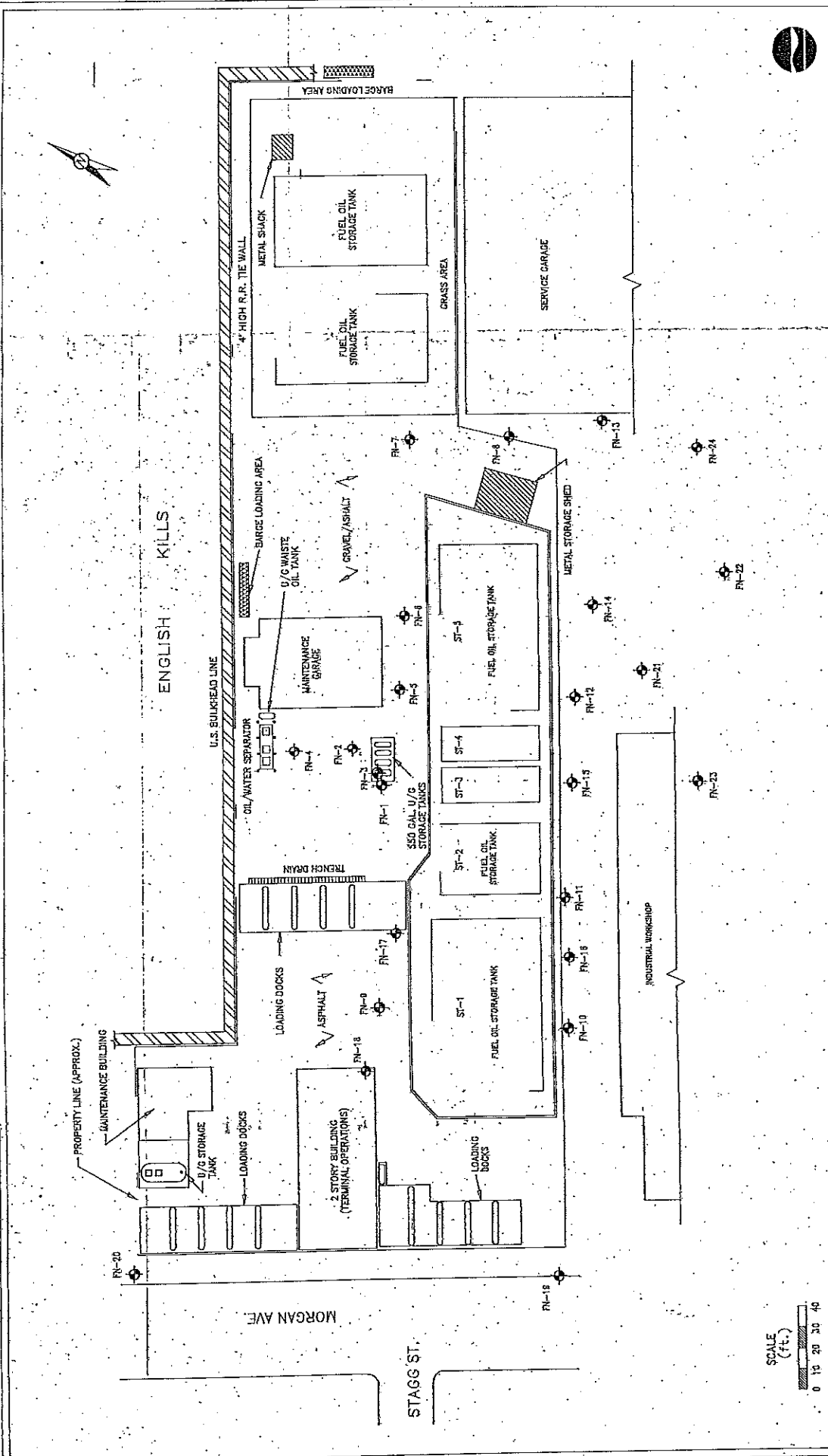
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GF Fenley & Nicol
 ENVIRONMENTAL SERVICES DIVISION
 445 BROOK AVENUE, DEER PARK, NEW YORK 11729 (516) 566-4900

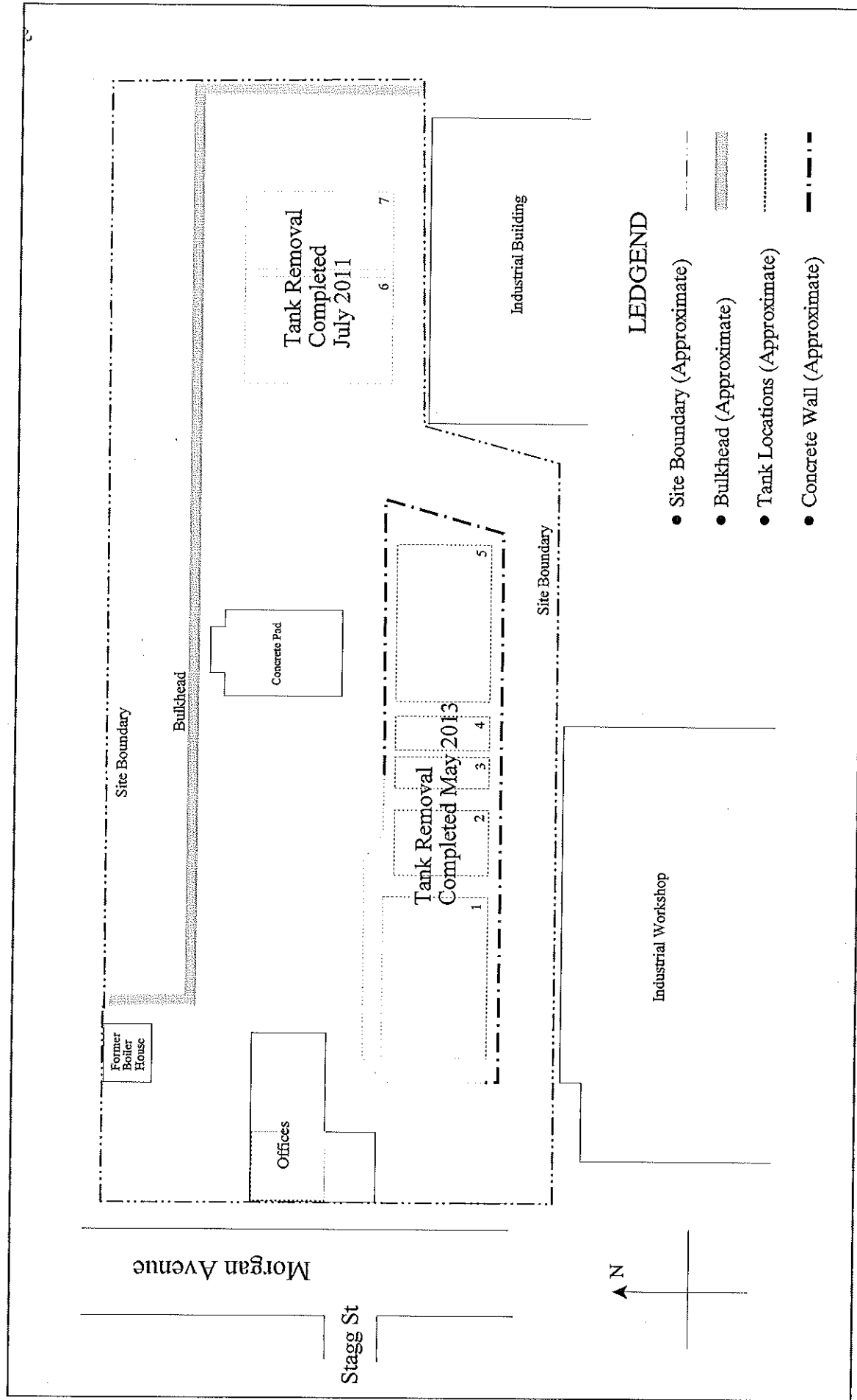
MORGAN TERMINAL
 200 MORGAN AVENUE
 BROOKLYN, N.Y. 11237

SITE PLAN

Reviewed By: M. El-Schamy
 Checked By: M. Kozlowski

Date: 02/08/85

Tank Removal MAP



GEOQUEST, inc.

P.O. Box 85
Bloomfield, CT
Tel: (860) 243-1757
Fax: (860) 243-9414

SITE LOCATION
Morgan Terminal
200 Morgan Avenue
Brooklyn, NY

DATE
May 2013

PROJECT NUMBER
1531



Safety Data Sheet

Material Name: Fuel Oil No. 2

SDS No. 0088
US GHS

Synonyms: #2 Heating Oil; 2 Oil; Off-road Diesel Fuel

*** Section 1 - Product and Company Identification ***

Manufacturer Information

Hess Corporation
1 Hess Plaza
Woodbridge, NJ 07095-0961

Phone: 732-750-6000 Corporate EHS
Emergency # 800-424-9300 CHEMTREC
www.hess.com (Environment, Health, Safety Internet Website)

*** Section 2 - Hazards Identification ***

GHS Classification:

Flammable Liquids - Category 3
Acute Toxicity, Inhalation - Category 4
Skin Corrosion/Irritation – Category 2
Eye Damage/Irritation – Category 2B
Carcinogenicity - Category 2
Specific Target Organ Toxicity (Single Exposure) – Category 3 (respiratory irritation, narcosis)
Aspiration Hazard – Category 1
Hazardous to the Aquatic Environment, Acute Hazard – Category 3

GHS LABEL ELEMENTS

Symbol(s)



Signal Word

DANGER

Hazard Statements

Flammable liquid and vapor.
Harmful if inhaled.
Causes skin irritation.
Causes eye irritation.
Suspected of causing cancer.
Suspected of causing genetic defects.
May cause respiratory irritation.
May cause drowsiness or dizziness.
May be fatal if swallowed and enters airways.
Harmful to aquatic life.

Precautionary Statements

Prevention

Keep away from heat/sparks/open flames/hot surfaces. No smoking

Safety Data Sheet

Material Name: Fuel Oil No. 2

SDS No. 0088

Keep container tightly closed.
Ground/bond container and receiving equipment.
Use explosion-proof electrical/ventilating/lighting/equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Wear protective gloves/protective clothing/eye protection/face protection.
Avoid breathing fume/mist/vapors/spray.
Use only outdoors or in a well-ventilated area.
Wash hands and forearms thoroughly after handling.
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Avoid release to the environment.

Response

In case of fire: Use water spray, fog or foam.
If on skin (or hair): Wash with plenty of soap and water. Take off immediately all contaminated clothing and wash it before reuse. If skin irritation occurs, get medical advice/attention.
If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center or doctor if you feel unwell.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
If exposed or concerned: Get medical advice/attention.
If swallowed: Immediately call a poison center or doctor/physician if you feel unwell. Do NOT induce vomiting.

Storage

Store in a well-ventilated place.
Keep cool. Store locked up.
Keep container tightly closed.

Disposal

Dispose of contents/container in accordance with local/regional/national/international regulations.

* * * Section 3 - Composition / Information on Ingredients * * *

CAS #	Component	Percent
68476-30-2	Fuel oil No. 2	100
91-20-3	Naphthalene	<0.1

A complex combination of hydrocarbons with carbon numbers in the range C9 and higher produced from the distillation of petroleum crude oil.

* * * Section 4 - First Aid Measures * * *

First Aid: Eyes

In case of contact with eyes, immediately flush with clean, low-pressure water for at least 15 min. Hold eyelids open to ensure adequate flushing. Seek medical attention.

Safety Data Sheet

Material Name: Fuel Oil No. 2

SDS No. 0088

First Aid: Skin

Remove contaminated clothing. Wash contaminated areas thoroughly with soap and water or with waterless hand cleanser. Obtain medical attention if irritation or redness develops.

First Aid: Ingestion

DO NOT INDUCE VOMITING. Do not give liquids. Obtain immediate medical attention. If spontaneous vomiting occurs, lean victim forward to reduce the risk of aspiration. Monitor for breathing difficulties. Small amounts of material which enter the mouth should be rinsed out until the taste is dissipated.

First Aid: Inhalation

Remove person to fresh air. If person is not breathing, provide artificial respiration. If necessary, provide additional oxygen once breathing is restored if trained to do so. Seek medical attention immediately.

* * * Section 5 - Fire Fighting Measures * * *

General Fire Hazards

See Section 9 for Flammability Properties.

Vapors may be ignited rapidly when exposed to heat, spark, open flame or other source of ignition. When mixed with air and exposed to an ignition source, flammable vapors can burn in the open or explode in confined spaces. Being heavier than air, vapors may travel long distances to an ignition source and flash back. Runoff to sewer may cause fire or explosion hazard.

Hazardous Combustion Products

Carbon monoxide, carbon dioxide and non-combusted hydrocarbons (smoke).

Extinguishing Media

SMALL FIRES: Any extinguisher suitable for Class B fires, dry chemical, CO₂, water spray, fire fighting foam, or gaseous extinguishing agent.

LARGE FIRES: Water spray, fog or fire fighting foam. Water may be ineffective for fighting the fire, but may be used to cool fire-exposed containers.

Unsuitable Extinguishing Media

None

Fire Fighting Equipment/Instructions

Small fires in the incipient (beginning) stage may typically be extinguished using handheld portable fire extinguishers and other fire fighting equipment. Firefighting activities that may result in potential exposure to high heat, smoke or toxic by-products of combustion should require NIOSH/MSHA- approved pressure-demand self-contained breathing apparatus with full facepiece and full protective clothing. Isolate area around container involved in fire. Cool tanks, shells, and containers exposed to fire and excessive heat with water. For massive fires the use of unmanned hose holders or monitor nozzles may be advantageous to further minimize personnel exposure. Major fires may require withdrawal, allowing the tank to burn. Large storage tank fires typically require specially trained personnel and equipment to extinguish the fire, often including the need for properly applied fire fighting foam.

* * * Section 6 - Accidental Release Measures * * *

Recovery and Neutralization

Carefully contain and stop the source of the spill, if safe to do so.

Materials and Methods for Clean-Up

Take up with sand or other oil absorbing materials. Carefully shovel, scoop or sweep up into a waste container for reclamation or disposal.

Safety Data Sheet

Material Name: Fuel Oil No. 2

SDS No. 0088

Emergency Measures

Evacuate nonessential personnel and remove or secure all ignition sources. Consider wind direction; stay upwind and uphill, if possible. Evaluate the direction of product travel, diking, sewers, etc. to confirm spill areas. Spills may infiltrate subsurface soil and groundwater; professional assistance may be necessary to determine the extent of subsurface impact.

Personal Precautions and Protective Equipment

Response and clean-up crews must be properly trained and must utilize proper protective equipment (see Section 8).

Environmental Precautions

Protect bodies of water by diking, absorbents, or absorbent boom, if possible. Do not flush down sewer or drainage systems, unless system is designed and permitted to handle such material. The use of fire fighting foam may be useful in certain situations to reduce vapors. The proper use of water spray may effectively disperse product vapors or the liquid itself, preventing contact with ignition sources or areas/equipment that require protection.

Prevention of Secondary Hazards

None

*** Section 7 - Handling and Storage ***

Handling Procedures

Handle as a combustible liquid. Keep away from heat, sparks, excessive temperatures and open flame! No smoking or open flame in storage, use or handling areas. Bond and ground containers during product transfer to reduce the possibility of static-initiated fire or explosion.

Special slow load procedures for "switch loading" must be followed to avoid the static ignition hazard that can exist when this product is loaded into tanks previously containing low flash point products (such as gasoline) - see API Publication 2003, "Protection Against Ignitions Arising Out Of Static, Lightning and Stray Currents."

Storage Procedures

Keep containers closed and clearly labeled. Use approved vented storage containers. Empty product containers or vessels may contain explosive vapors. Do not pressurize, cut, heat, weld or expose such containers to sources of ignition.

Store in a well-ventilated area. This storage area should comply with NFPA 30 "Flammable and Combustible Liquid Code". Avoid storage near incompatible materials. The cleaning of tanks previously containing this product should follow API Recommended Practice (RP) 2013 "Cleaning Mobile Tanks In Flammable and Combustible Liquid Service" and API RP 2015 "Cleaning Petroleum Storage Tanks."

Incompatibilities

Keep away from strong oxidizers; Fluorel ®

*** Section 8 - Exposure Controls / Personal Protection ***

Component Exposure Limits

Fuel oil No. 2 (68476-30-2)

ACGIH: 0.2 mg/m3 TWA (inhalable fraction and vapor, as total hydrocarbons, listed under Diesel fuel)
Skin - potential significant contribution to overall exposure by the cutaneous route (listed under Diesel fuel)

Safety Data Sheet

Material Name: Fuel Oil No. 2

SDS No. 0088

Naphthalene (91-20-3)

ACGIH: 10 ppm TWA
15 ppm STEL

Skin - potential significant contribution to overall exposure by the cutaneous route

OSHA: 10 ppm TWA; 50 mg/m³ TWA

NIOSH: 10 ppm TWA; 50 mg/m³ TWA
15 ppm STEL; 75 mg/m³ STEL

Engineering Measures

Use adequate ventilation to keep vapor concentrations of this product below occupational exposure and flammability limits, particularly in confined spaces.

Personal Protective Equipment: Respiratory

A NIOSH/MSHA-approved air-purifying respirator with organic vapor cartridges or canister may be permissible under certain circumstances where airborne concentrations are or may be expected to exceed exposure limits or for odor or irritation. Protection provided by air-purifying respirators is limited.

Use a positive pressure, air-supplied respirator if there is a potential for uncontrolled release, exposure levels are not known, in oxygen-deficient atmospheres, or any other circumstance where an air-purifying respirator may not provide adequate protection.

Personal Protective Equipment: Hands

Gloves constructed of nitrile, neoprene, or PVC are recommended.

Personal Protective Equipment: Eyes

Safety glasses or goggles are recommended where there is a possibility of splashing or spraying.

Personal Protective Equipment: Skin and Body

Chemical protective clothing such as of E.I. DuPont TyChem®, Saranex® or equivalent recommended based on degree of exposure. Note: The resistance of specific material may vary from product to product as well as with degree of exposure. Consult manufacturer specifications for further information.

* * * Section 9 - Physical & Chemical Properties * * *

Appearance: Red or reddish/orange colored
(dyed)

Odor: Mild, petroleum distillate odor

Physical State: Liquid

pH: ND

Vapor Pressure: 0.009 psia @ 70 °F (21 °C)

Vapor Density: >1.0

Boiling Point: 340 to 700 °F (171 to 371 °C)

Melting Point: ND

Solubility (H₂O): Negligible

Specific Gravity: AP 0.823-0871

Evaporation Rate: Slow; varies with conditions

VOC: ND

Octanol/H₂O Coeff.: ND

Flash Point: 100 °F (38 °C) minimum

Flash Point Method: PMCC

Upper Flammability Limit 7.5

(UFL):

Lower Flammability Limit 0.6

Burning Rate: ND

(LFL):

Auto Ignition: 494°F (257°C)

* * * Section 10 - Chemical Stability & Reactivity Information * * *

Chemical Stability

This is a stable material.

Safety Data Sheet

Material Name: Fuel Oil No. 2

SDS No. 0088

Hazardous Reaction Potential

Will not occur.

Conditions to Avoid

Avoid high temperatures, open flames, sparks, welding, smoking and other ignition sources.

Incompatible Products

Keep away from strong oxidizers; Fluorel®

Hazardous Decomposition Products

Carbon monoxide, carbon dioxide and non-combusted hydrocarbons (smoke).

* * * Section 11 - Toxicological Information * * *

Acute Toxicity

A: General Product Information

Harmful if swallowed.

B: Component Analysis - LD50/LC50

Fuel oil No. 2 (68476-30-2)

Oral LD50 Rat 12 g/kg; Dermal LD50 Rabbit 4720 µL/kg; Dermal LD50 Rabbit >2000 mg/kg; Inhalation LC50 Rat 4.6 mg/L 4 h

Naphthalene (91-20-3)

Inhalation LC50 Rat >340 mg/m³ 1 h; Oral LD50 Rat 490 mg/kg; Dermal LD50 Rat >2500 mg/kg; Dermal LD50 Rabbit >20 g/kg

Product Mixture

Oral LD50 Rat 14.5 ml/kg; Dermal LD50 Rabbit >5 mL/kg; Guinea Pig Sensitization: negative; Primary dermal irritation: moderately irritating (Draize mean irritation score - 3.98 rabbits); Draize eye irritation: mildly irritating (Draize score, 48 hours, unwashed - 2.0 rabbits)

Potential Health Effects: Skin Corrosion Property/Stimulativeness

Practically non-toxic if absorbed following acute (single) exposure. May cause skin irritation with prolonged or repeated contact. Liquid may be absorbed through the skin in toxic amounts if large areas of skin are repeatedly exposed.

Potential Health Effects: Eye Critical Damage/ Stimulativeness

Contact with eyes may cause mild irritation.

Potential Health Effects: Ingestion

Ingestion may cause gastrointestinal disturbances, including irritation, nausea, vomiting and diarrhea, and central nervous system (brain) effects similar to alcohol intoxication. In severe cases, tremors, convulsions, loss of consciousness, coma, respiratory arrest, and death may occur.

Potential Health Effects: Inhalation

Excessive exposure may cause irritations to the nose, throat, lungs and respiratory tract. Central nervous system (brain) effects may include headache, dizziness, loss of balance and coordination, unconsciousness, coma, respiratory failure, and death.

WARNING: the burning of any hydrocarbon as a fuel in an area without adequate ventilation may result in hazardous levels of combustion products, including carbon monoxide, and inadequate oxygen levels, which may cause unconsciousness, suffocation, and death.

Safety Data Sheet

Material Name: Fuel Oil No. 2

SDS No. 0088

Respiratory Organs Sensitization/Skin Sensitization

This product is not reported to have any skin sensitization effects.

Generative Cell Mutagenicity

This product is not reported to have any mutagenic effects. Material of similar composition has been positive in a mutagenicity study.

Carcinogenicity

A: General Product Information

Suspected of causing cancer.

Dermal carcinogenicity: positive - mice

Studies have shown that similar products produce skin tumors in laboratory animals following repeated applications without washing or removal. The significance of this finding to human exposure has not been determined. Other studies with active skin carcinogens have shown that washing the animal's skin with soap and water between applications reduced tumor formation.

This product is similar to Diesel Fuel. IARC classifies whole diesel fuel exhaust particulates as probably carcinogenic to humans (Group 2A) and NIOSH regards it as a potential cause of occupational lung cancer based on animal studies and limited evidence in humans.

B: Component Carcinogenicity

Fuel oil No. 2 (68476-30-2)

ACGIH: A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans (listed under Diesel fuel)

Naphthalene (91-20-3)

ACGIH: A4 - Not Classifiable as a Human Carcinogen

NTP: Reasonably Anticipated To Be A Human Carcinogen (Possible Select Carcinogen)

IARC: Monograph 82 [2002] (Group 2B (possibly carcinogenic to humans))

Reproductive Toxicity

This product is not reported to have any reproductive toxicity effects.

Specified Target Organ General Toxicity: Single Exposure

This product is not reported to have any specific target organ general toxicity single exposure effects.

Specified Target Organ General Toxicity: Repeated Exposure

This product is not reported to have any specific target organ general toxicity repeat exposure effects.

Aspiration Respiratory Organs Hazard

The major health threat of ingestion occurs from the danger of aspiration (breathing) of liquid drops into the lungs, particularly from vomiting. Aspiration may result in chemical pneumonia (fluid in the lungs), severe lung damage, respiratory failure and even death.

* * * Section 12 - Ecological Information * * *

Ecotoxicity

A: General Product Information

Very toxic to aquatic life with long lasting effects. Keep out of sewers, drainage areas and waterways. Report spills and releases, as applicable, under Federal and State regulations.

Safety Data Sheet

Material Name: Fuel Oil No. 2

SDS No. 0088

B: Component Analysis - Ecotoxicity - Aquatic Toxicity

Fuel oil No. 2 (68476-30-2)

Test & Species

96 Hr LC50 Pimephales promelas

35 mg/L [flow-through]

Conditions

Naphthalene (91-20-3)

Test & Species

96 Hr LC50 Pimephales promelas

5.74-6.44 mg/L [flow-through]

Conditions

96 Hr LC50 Oncorhynchus mykiss

1.6 mg/L [flow-through]

96 Hr LC50 Oncorhynchus mykiss

0.91-2.82 mg/L [static]

96 Hr LC50 Pimephales promelas

1.99 mg/L [static]

96 Hr LC50 Lepomis macrochirus

31.0265 mg/L [static]

72 Hr EC50 Skeletonema costatum

0.4 mg/L

48 Hr LC50 Daphnia magna

2.16 mg/L

48 Hr EC50 Daphnia magna

1.96 mg/L [Flow through]

48 Hr EC50 Daphnia magna

1.09 - 3.4 mg/L [Static]

Persistence/Degradability

No information available.

Bioaccumulation

No information available.

Mobility in Soil

No information available.

*** Section 13 - Disposal Considerations ***

Waste Disposal Instructions

See Section 7 for Handling Procedures. See Section 8 for Personal Protective Equipment recommendations.

Disposal of Contaminated Containers or Packaging

Dispose of contents/container in accordance with local/regional/national/international regulations.

*** Section 14 - Transportation Information ***

DOT Information

Shipping Name: Fuel Oil, No. 2

UN #: 1202 Hazard Class: 3 Packing Group: III

Placard:



Safety Data Sheet

Material Name: Fuel Oil No. 2

SDS No. 0088

*** Section 15 - Regulatory Information ***

Regulatory Information

Component Analysis

This material contains one or more of the following chemicals required to be identified under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65) and/or CERCLA (40 CFR 302.4).

Naphthalene (91-20-3)

SARA 313: 0.1 % de minimis concentration
CERCLA: 100 lb final RQ; 45.4 kg final RQ

SARA Section 311/312 – Hazard Classes

<u>Acute Health</u>	<u>Chronic Health</u>	<u>Fire</u>	<u>Sudden Release of Pressure</u>	<u>Reactive</u>
X	X	X	--	--

SARA SECTION 313 - SUPPLIER NOTIFICATION

This product may contain listed chemicals below the de minimis levels which therefore are not subject to the supplier notification requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act (EPCRA) of 1986 and of 40 CFR 372. If you may be required to report releases of chemicals listed in 40 CFR 372.28, you may contact Hess Corporate Safety if you require additional information regarding this product.

State Regulations

Component Analysis - State

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS	CA	MA	MN	NJ	PA	RI
Naphthalene	91-20-3	Yes	Yes	Yes	Yes	Yes	No

The following statement(s) are provided under the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):

WARNING! This product contains a chemical known to the state of California to cause cancer.

Component Analysis - WHMIS IDL

No components are listed in the WHMIS IDL.

Additional Regulatory Information

Safety Data Sheet

Material Name: Fuel Oil No. 2

SDS No. 0088

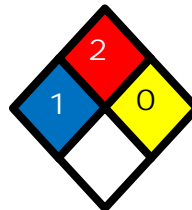
Component Analysis - Inventory

Component	CAS #	TSCA	CAN	EEC
Fuel oil No. 2	68476-30-2	Yes	DSL	EINECS
Naphthalene	91-20-3	Yes	DSL	EINECS

*** Section 16 - Other Information ***

NFPA® Hazard Rating

Health	1
Fire	2
Reactivity	0



HMIS® Hazard Rating

Health	1*	Slight
Fire	2	Moderate
Physical	0	Minimal

*Chronic

Abbreviations:

AP = Approximately; < = Less than > = Greater than; N/A = Not Applicable; N/D = Not Determined; ppm = parts per million

Key/Legend

EPA = Environmental Protection Agency; TSCA = Toxic Substance Control Act; ACGIH = American Conference of Governmental Industrial Hygienists; API = American Petroleum Institute (202) 682-8000; IARC = International Agency for Research on Cancer; MSHA = Mine Safety and Health Administration; NIOSH = National Institute for Occupational Safety and Health; NTP = National Toxicology Program; OSHA = Occupational Safety and Health Administration., NJTSR = New Jersey Trade Secret Registry.

Literature References

None

Other Information

Information presented herein has been compiled from sources considered to be dependable, and is accurate and reliable to the best of our knowledge and belief, but is not guaranteed to be so. Since conditions of use are beyond our control, we make no warranties, expressed or implied, except those that may be contained in our written contract of sale or acknowledgment.

Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Additionally, vendor assumes no responsibility for injury to vendee or third persons proximately caused by abnormal use of the material, even if reasonable safety procedures are followed. Furthermore, vendee assumes the risk in their use of the material.

End of Sheet



Safety Data Sheet

Material Name: No. 4 Fuel Oil

SDS No. 15054
US GHS

Synonyms: 4 Fuel Oil; 4 Oil; Low Sulfur No. 4 Fuel Oil

*** Section 1 - Product and Company Identification ***

Manufacturer Information

Hess Corporation
1 Hess Plaza
Woodbridge, NJ 07095-0961

Phone: 732-750-6000 Corporate EHS
Emergency # 800-424-9300 CHEMTREC
www.hess.com (Environment, Health, Safety Internet Website)

*** Section 2 - Hazards Identification ***

GHS Classification:

Flammable Liquids – Category 4
Skin Corrosion/Irritation – Category 2
Eye Damage/Irritation – Category 2B
Sensitization - Skin – Category 1
Carcinogenicity - Category 1B
Specific Target Organ Toxicity (Single Exposure) - Category 3 (respiratory irritation, narcosis)
Hazardous to the Aquatic Environment, Acute Hazard – Category 2

Additional hazard not resulting in classification:

Material may be heated. If heated, care must be taken to avoid injury from thermal burns.

GHS LABEL ELEMENTS

Symbol(s)



Signal Word

DANGER

Hazard Statements

Combustible liquid.
Causes skin irritation.
Causes eye irritation.
May cause an allergic skin reaction.
May cause cancer.
May cause respiratory irritation.
May cause drowsiness and dizziness.
Toxic to aquatic life.

Precautionary Statements

Prevention

Keep away from flames and hot surfaces. – No smoking.
Wear protective gloves/protective clothing/eye protection/face protection.

Safety Data Sheet

Material Name: No. 4 Fuel Oil

SDS No. 15054

Do not breathe fume/gas/mist/vapours/spray.
Use only outdoors or in a well-ventilated area.
Wear respiratory protection.
Wash hands and forearms thoroughly after handling.
Contaminated work clothing must not be allowed out of the workplace.
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Avoid release to the environment.

Response

In case of fire: Use water spray, fog, hand-held dry chemical or foam to extinguish.
If on skin: Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse. If skin irritation or rash occurs: Get medical advice/attention.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
IF exposed or concerned: Get medical advice/attention.

Storage

Store in a well-ventilated place. Keep cool.
Keep container tightly closed.
Store locked up.

Disposal

Dispose of contents/container in accordance with local/regional/national/international regulations.

* * * Section 3 - Composition / Information on Ingredients * * *

CAS #	Component	Percent
68476-31-3	Fuel oil No. 4	100

A complex combination of heavy (high boiling point) petroleum hydrocarbons and is a blend of distillate (such as No. 2 Fuel Oil) and residual fuel oil (such as No. 6 Fuel Oil). The amount of sulfur varies with product specification and does not affect the health and safety properties as outlined in this Safety Data Sheet.

* * * Section 4 - First Aid Measures * * *

First Aid: Eyes

In case of contact with eyes, immediately flush with clean, low-pressure water for at least 15 min. Hold eyelids open to ensure adequate flushing. Seek medical attention.

First Aid: Skin

Remove contaminated clothing. Wash contaminated areas thoroughly with soap and water or waterless hand cleanser. Obtain medical attention if irritation or redness develops.

First Aid: Ingestion

DO NOT INDUCE VOMITING. Do not give liquids. Obtain immediate medical attention. If spontaneous vomiting occurs, lean victim forward to reduce the risk of aspiration. Monitor for breathing difficulties. Small amounts of material which enter the mouth should be rinsed out until the taste is dissipated.

Safety Data Sheet

Material Name: No. 4 Fuel Oil

SDS No. 15054

First Aid: Inhalation

Remove person to fresh air. If person is not breathing, provide artificial respiration. If necessary, provide additional oxygen once breathing is restored if trained to do so. Seek medical attention immediately.

* * * Section 5 - Fire Fighting Measures * * *

General Fire Hazards

See Section 9 for Flammability Properties.

Vapors may be ignited rapidly when exposed to heat, spark, open flame or other source of ignition. When mixed with air and exposed to an ignition source, flammable vapors can burn in the open or explode in confined spaces. Being heavier than air, vapors may travel long distances to an ignition source and flash back. Runoff to sewer may cause fire or explosion hazard.

CAUTION: flammable vapor production at ambient temperature in the open is expected to be minimal unless the oil is heated above its flash point. However, industry experience indicates that light hydrocarbon vapors can build up in the headspace of storage tanks at temperatures below the flash point of the oil, presenting a flammability and explosion hazard. Tank headspaces should be regarded as potentially flammable, since the oil's flash point cannot be regarded as a reliable indicator of the potential flammability in tank headspaces.

Hazardous Combustion Products

Carbon monoxide, carbon dioxide and non-combusted hydrocarbons (smoke).

Extinguishing Media

SMALL FIRES: Any extinguisher suitable for Class B fires, dry chemical, fire fighting foam, CO₂, and other gaseous agents.

LARGE FIRES: Water spray, fog or fire fighting foam. Water may be ineffective for fighting the fire, but may be used to cool fire-exposed containers.

Unsuitable Extinguishing Media

None

Fire Fighting Equipment/Instructions

Small fires in the incipient (beginning) stage may typically be extinguished using handheld portable fire extinguishers and other fire fighting equipment. Firefighting activities that may result in potential exposure to high heat, smoke or toxic by-products of combustion should require NIOSH approved pressure-demand self-contained breathing apparatus with full facepiece and full protective clothing. Isolate area around container involved in fire. Cool tanks, shells, and containers exposed to fire and excessive heat with water. For massive fires the use of unmanned hose holders or monitor nozzles may be advantageous to further minimize personnel exposure. Major fires may require withdrawal, allowing the tank to burn. Large storage tank fires typically require specially trained personnel and equipment to extinguish the fire, often including the need for properly applied fire fighting foam.

* * * Section 6 - Accidental Release Measures * * *

Recovery and Neutralization

Carefully contain and stop the source of the spill, if safe to do so.

Materials and Methods for Clean-Up

Take up with sand or other oil absorbing materials. Carefully shovel, scoop or sweep up into a waste container for reclamation or disposal.

Safety Data Sheet

Material Name: No. 4 Fuel Oil

SDS No. 15054

Emergency Measures

Evacuate nonessential personnel and remove or secure all ignition sources. Consider wind direction; stay upwind and uphill, if possible. Evaluate the direction of product travel, diking, sewers, etc. to confirm spill areas.

Personal Precautions and Protective Equipment

Response and clean-up crews must be properly trained and must utilize proper protective equipment.

Environmental Precautions

Protect bodies of water by diking, absorbents, or absorbent boom, if possible. Do not flush down sewer or drainage systems, unless system is designed and permitted to handle such material. The use of fire fighting foam may be useful in certain situations to reduce vapors.

Prevention of Secondary Hazards

None

*** Section 7 - Handling and Storage ***

Handling Procedures

Product is a blend of 6 oil (No. 6 Fuel Oil ~120°F) and ambient temperature of No. 2 Fuel Oil. Handle as a combustible liquid. Keep away from heat, sparks, and open flame! Electrical equipment should be approved for classified area. Bond and ground containers during product transfer to reduce the possibility of static-initiated fire or explosion.

Fuel Oil Ash Products

Personnel exposed to ash should wear appropriate protective clothing (example, DuPont Tyvek®), wash skin thoroughly, launder contaminated clothing separately, and wear respiratory protection approved for use against toxic metal dusts (such as HEPA filter cartridges). Wetted-down combustion ash may evolve toxic hydrogen sulfide (H₂S) - confined spaces should be tested for H₂S prior to entry if ash is wetted.

Storage Procedures

Keep away from flame, sparks, excessive temperatures and open flame. Use approved vented containers. Keep containers closed and clearly labeled. Empty product containers or vessels may contain explosive vapors. Do not pressurize, cut, heat, weld or expose such containers to sources of ignition.

Store in a well-ventilated area. This storage area should comply with NFPA 30 "Flammable and Combustible Liquid Code". Avoid storage near incompatible materials. The cleaning of tanks previously containing this product should follow API Recommended Practice (RP) 2013 "Cleaning Mobile Tanks In Flammable and Combustible Liquid Service" and API RP 2015 "Cleaning Petroleum Storage Tanks."

Incompatibilities

Keep away from strong oxidizers.

*** Section 8 - Exposure Controls / Personal Protection ***

Component Exposure Limits

Fuel oil No. 4 (68476-31-3)

ACGIH: 100 mg/m³ TWA (inhalable fraction and vapor, as total hydrocarbons, listed under Diesel fuel)
Skin - potential significant contribution to overall exposure by the cutaneous route (listed under Diesel fuel)

Safety Data Sheet

Material Name: No. 4 Fuel Oil

SDS No. 15054

Engineering Measures

Use adequate ventilation to keep vapor concentrations of this product below occupational exposure and flammability limits, particularly in confined spaces.

Personal Protective Equipment: Respiratory

A NIOSH approved air-purifying respirator with organic vapor cartridges or canister may be permissible under certain circumstances where airborne concentrations are or may be expected to exceed exposure limits or for odor or irritation. Protection provided by air-purifying respirators is limited.

Personal Protective Equipment: Hands

Gloves constructed of nitrile, neoprene, or PVC are recommended.

Personal Protective Equipment: Eyes

Safety glasses or goggles are recommended where there is a possibility of splashing or spraying.

Personal Protective Equipment: Skin and Body

Chemical protective clothing such as of E.I. DuPont TyChem®, Saranex® or equivalent recommended based on degree of exposure. Note: The resistance of specific material may vary from product to product as well as with degree of exposure. Consult manufacturer specifications for further information.

* * * Section 9 - Physical & Chemical Properties * * *

Appearance:	Black, viscous	Odor:	Heavy, petroleum/asphalt-type odor
Physical State:	Liquid	pH:	ND
Vapor Pressure:	<0.007 psia @ 100 °F (38 °C)	Vapor Density:	NA
Boiling Point:	350-700+ °F (177-371 °C)	Melting Point:	ND
Solubility (H2O):	Negligible	Specific Gravity:	0.876-0.979 (API 30.0-13.0)
Evaporation Rate:	Negligible	VOC:	ND
Octanol/H2O Coeff.:	ND	Flash Point:	>131 °F (>55 °C) minimum
Flash Point Method:	ASTM D-93	Upper Flammability Limit (UFL):	ND
Lower Flammability Limit (LFL):	ND	Burning Rate:	ND
Auto Ignition:	>505°F (>263°C)		

* * * Section 10 - Chemical Stability & Reactivity Information * * *

Chemical Stability

This is a stable material.

Hazardous Reaction Potential

Will not occur.

Conditions to Avoid

Avoid high temperatures, open flames, sparks, welding, smoking and other ignition sources.

Incompatible Products

Keep away from strong oxidizers.

Hazardous Decomposition Products

Carbon monoxide, carbon dioxide and non-combusted hydrocarbons (smoke).

Safety Data Sheet

Material Name: No. 4 Fuel Oil

SDS No. 15054

* * * Section 11 - Toxicological Information * * *

Acute Toxicity

A: General Product Information

Harmful if swallowed.

B: Component Analysis - LD50/LC50

No LD50/LC50's are available for this product's components.

Potential Health Effects: Skin Corrosion Property/Stimulativeness

May cause skin irritation with prolonged or repeated contact. Practically non-toxic if absorbed following acute (single) exposure. May cause dermal sensitization.

Potential Health Effects: Eye Critical Damage/ Stimulativeness

Contact with eyes may cause mild to moderate irritation.

Potential Health Effects: Ingestion

This material has a low order of acute toxicity. If large quantities are ingested, nausea, vomiting and diarrhea may result. Ingestion may also cause effects similar to inhalation of the product. Aspiration may result in chemical pneumonia (fluid in the lungs), severe lung damage, respiratory failure and even death.

Potential Health Effects: Inhalation

Because of its low vapor pressure, this product presents a minimal inhalation hazard at ambient temperature. Upon heating, fumes may be evolved. Inhalation of fumes or mist may result in respiratory tract irritation and central nervous system (brain) effects may include headache, dizziness, loss of balance and coordination, unconsciousness, coma, respiratory failure, and death.

WARNING: the burning of any hydrocarbon as a fuel in an area without adequate ventilation may result in hazardous levels of combustion products, including carbon monoxide, and inadequate oxygen levels, which may cause unconsciousness, suffocation, and death.

Respiratory Organs Sensitization/Skin Sensitization

This product is not reported to have any skin sensitization effects.

Generative Cell Mutagenicity

This product is not reported to have any mutagenic effects. Materials of similar composition have been positive in mutagenicity studies.

Carcinogenicity

A: General Product Information

Suspected of causing cancer.

This material contains polynuclear aromatic hydrocarbons (PNAs), some of which are animal carcinogens. Studies have shown that similar products produce skin tumors in laboratory animals following repeated applications without washing or removal. The significance of this finding to human exposure has not been determined. Other studies with active skin carcinogens have shown that washing the animal's skin with soap and water between applications reduced tumor formation. The presence of carcinogenic PNAs indicates that precautions should be taken to minimize repeated and prolonged inhalation of fumes or mists.

Safety Data Sheet

Material Name: No. 4 Fuel Oil

SDS No. 15054

B: Component Carcinogenicity

Fuel oil No. 4 (68476-31-3)

ACGIH: A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans (listed under Diesel fuel)

IARC: Monograph 45 [1989] (overall evaluation upgraded from 3 to 2B with supporting evidence from other relevant data) (Group 2B (possibly carcinogenic to humans))

Reproductive Toxicity

This product is not reported to have any reproductive toxicity effects.

Specified Target Organ General Toxicity: Single Exposure

This product is not reported to have any specific target organ general toxicity single exposure effects.

Specified Target Organ General Toxicity: Repeated Exposure

This product is not reported to have any specific target organ general toxicity repeat exposure effects.

Aspiration Respiratory Organs Hazard

The major health threat of ingestion occurs from the danger of aspiration (breathing) of liquid drops into the lungs, particularly from vomiting. Aspiration may result in chemical pneumonia (fluid in the lungs), severe lung damage, respiratory failure and even death.

Other Toxicological Information

Trace amounts of nickel, vanadium, and other metals in slurry oil can become concentrated in the oxide form in combustion ash deposits. Vanadium is a toxic metal affecting a number of organ systems. Nickel is a suspect human carcinogen (lung, nasal, and sinus), an eye, nose, and throat irritant, and can cause allergic skin reaction in some individuals.

*** Section 12 - Ecological Information ***

Ecotoxicity

A: General Product Information

Keep out of sewers, drainage areas and waterways. Report spills and releases, as applicable, under Federal and State regulations.

B: Component Analysis - Ecotoxicity - Aquatic Toxicity

Fuel oil No. 4 (68476-31-3)

Test & Species

96 Hr LC50 Pimephales promelas

Conditions

35 mg/L [flow-through]

Persistence/Degradability

No information available.

Bioaccumulation

No information available.

Mobility in Soil

No information available.

*** Section 13 - Disposal Considerations ***

Waste Disposal Instructions

See Section 7 for Handling Procedures. See Section 8 for Personal Protective Equipment recommendations.

Safety Data Sheet

Material Name: No. 4 Fuel Oil

SDS No. 15054

Disposal of Contaminated Containers or Packaging

Dispose of contents/container in accordance with local/regional/national/international regulations.

*** Section 14 - Transportation Information ***

US DOT Information

Shipping Name: Combustible liquid, n.o.s. (No. 4 Fuel Oil)

UN/NA #: NA 1993 **Hazard Class:** Combustible **Packing Group:** III

Placard:



*** Section 15 - Regulatory Information ***

Regulatory Information

Component Analysis

None of this products components are listed under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), or CERCLA (40 CFR 302.4).

SARA Section 311/312 – Hazard Classes

Acute Health

X

Chronic Health

X

Fire

X

Sudden Release of Pressure

--

Reactive

--

SARA SECTION 313 - SUPPLIER NOTIFICATION

According to the US EPA guidance documents for reporting Persistent Bioaccumulating Toxics (PBTs), this product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act (EPCRA) of 1986 and of 40 CFR 372 (US EPA does not provide data on No 4 Fuel Oil which is a blend of 6 oil and 2 oil – the following are estimates based on typical blend ratios):

INGREDIENT NAME (CAS NUMBER)

Polycyclic aromatic compounds (PACs) Benzo (g,h,i)
perylene (191-24-2)
Lead (7439-92-1)
Mercury (7439-97-6)
Vanadium (7440-62-2)
Polychlorinated biphenyls (PCBs)

CONCENTRATION [PARTS PER MILLION (PPM) BY WEIGHT]

1088
11.7
0.47
0.00085
1.8
Though EPA estimates 10% of the residual fuel oil "pool" may have
< 50 ppm PCBs (Ref 2), AHC has no reason to believe there are
any PCBs in its residual fuel oil products.

State Regulations

Component Analysis - State

None of this product's components are listed on the state lists from CA, MA, MN, NJ, PA, or RI.

Safety Data Sheet

Material Name: No. 4 Fuel Oil

SDS No. 15054

Component Analysis - WHMIS IDL

No components are listed in the WHMIS IDL.

Additional Regulatory Information

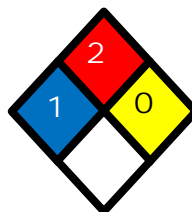
Component Analysis - Inventory

Component	CAS #	TSCA	CAN	EEC
Fuel oil No. 4	68476-31-3	Yes	DSL	EINECS

* * * Section 16 - Other Information * * *

NFPA® Hazard Rating

Health 1
Fire 2
Reactivity 0



HMIS® Hazard Rating

Health 1* Slight
Fire 2 Moderate
Physical 0 Minimal
*Chronic

Key/Legend

EPA = Environmental Protection Agency; TSCA = Toxic Substance Control Act; ACGIH = American Conference of Governmental Industrial Hygienists; IARC = International Agency for Research on Cancer; NIOSH = National Institute for Occupational Safety and Health; NTP = National Toxicology Program; OSHA = Occupational Safety and Health Administration., NJTSR = New Jersey Trade Secret Registry.

Literature References

None

Other Information

Information presented herein has been compiled from sources considered to be dependable, and is accurate and reliable to the best of our knowledge and belief, but is not guaranteed to be so. Since conditions of use are beyond our control, we make no warranties, expressed or implied, except those that may be contained in our written contract of sale or acknowledgment.

Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Additionally, vendor assumes no responsibility for injury to vendee or third persons proximately caused by abnormal use of the material, even if reasonable safety procedures are followed. Furthermore, vendee assumes the risk in their use of the material.

End of Sheet



Safety Data Sheet

Material Name: No. 6 Fuel Oil

SDS No. 9907

US GHS

Synonyms: #6 Fuel Oil; 6 Oil; Bunker C; Bunkers; High Sulfur Residual Fuel Oil; Low Sulfur Residual Fuel Oil; Residual Fuel Oil

*** Section 1 - Product and Company Identification ***

Manufacturer Information

Hess Corporation
1 Hess Plaza
Woodbridge, NJ 07095-0961

Phone: 732-750-6000 Corporate EHS
Emergency # 800-424-9300 CHEMTREC
www.hess.com (Environment, Health, Safety Internet Website)

*** Section 2 - Hazards Identification ***

GHS Classification:

Flammable Liquids – Category 4
Acute Toxicity, Inhalation – Category 2
Skin Corrosion/Irritation – Category 2
Eye Damage/Irritation – Category 2B
Sensitization - Skin – Category 1
Carcinogenicity - Category 1B
Specific Target Organ Toxicity (Single Exposure) - Category 3 (respiratory irritation, narcosis)
Hazardous to the Aquatic Environment, Acute Hazard – Category 2

Additional hazard not resulting in classification:

Material may be heated. If heated, care must be taken to avoid injury from thermal burns. Heating may also release toxic hydrogen sulfide gas.

GHS LABEL ELEMENTS

Symbol(s)



Signal Word

DANGER

Hazard Statements

Combustible liquid.
Fatal if inhaled.
Causes skin irritation.
Causes eye irritation.
May cause an allergic skin reaction.
May cause cancer.
May cause respiratory irritation.
May cause drowsiness and dizziness.
Toxic to aquatic life.

Safety Data Sheet

Material Name: No. 6 Fuel Oil

Precautionary Statements

Prevention

Keep away from flames and hot surfaces. – No smoking.
Wear protective gloves/protective clothing/eye protection/face protection.
Do not breathe fume/gas/mist/vapours/spray.
Use only outdoors or in a well-ventilated area.
Wear respiratory protection.
Wash hands and forearms thoroughly after handling.
Contaminated work clothing must not be allowed out of the workplace.
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Avoid release to the environment.

Response

In case of fire: Use water spray, fog, hand-held dry chemical or foam to extinguish.
If inhaled: Remove person to fresh air and keep comfortable for breathing. Immediately call a poison center or doctor.
If on skin: Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse. If skin irritation or rash occurs: Get medical advice/attention.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
If exposed or concerned: Get medical advice/attention.

Storage

Store in a well-ventilated place. Keep cool.
Keep container tightly closed.
Store locked up.

Disposal

Dispose of contents/container in accordance with local/regional/national/international regulations.

* * * Section 3 - Composition / Information on Ingredients * * *

CAS #	Component	Percent
68476-33-5	Fuel oil	100
7783-06-4	Hydrogen sulfide	<1

Component Information/Information on Non-Hazardous Components

A complex combination of heavy (high boiling point) petroleum hydrocarbons. The amount of sulfur varies with product specification and does not affect the health and safety properties as outlined in this Safety Data Sheet.

Hydrogen Sulfide (H₂S) may be present in trace quantities (by weight), but may accumulate to toxic concentrations such as in tank headspace. The presence of H₂S is highly variable, unpredictable and does not correlate with sulfur content. Studies with similar products have shown that 1 ppm H₂S by weight in liquid may produce 100 ppm or more H₂S in the vapor headspace of the storage tank.

Safety Data Sheet

Material Name: No. 6 Fuel Oil

*** Section 4 - First Aid Measures ***

First Aid: Eyes

In case of contact with eyes, immediately flush with clean, low-pressure water for at least 15 min. Hold eyelids open to ensure adequate flushing. Seek medical attention.

First Aid: Skin

Remove contaminated clothing. Wash contaminated areas thoroughly with soap and water or waterless hand cleanser. Obtain medical attention if irritation or redness develops. Thermal burns require immediate medical attention depending on the severity and the area of the body burned.

First Aid: Ingestion

DO NOT INDUCE VOMITING. Do not give liquids. Obtain immediate medical attention. If spontaneous vomiting occurs, lean victim forward to reduce the risk of aspiration. Monitor for breathing difficulties. Small amounts of material which enter the mouth should be rinsed out until the taste is dissipated.

First Aid: Inhalation

Remove person to fresh air. If person is not breathing, provide artificial respiration. If necessary, provide additional oxygen once breathing is restored if trained to do so. Seek medical attention immediately.

*** Section 5 - Fire Fighting Measures ***

General Fire Hazards

See Section 9 for Flammability Properties.

Vapors may be ignited rapidly when exposed to heat, spark, open flame or other source of ignition. When mixed with air and exposed to an ignition source, flammable vapors can burn in the open or explode in confined spaces. Being heavier than air, vapors may travel long distances to an ignition source and flash back. Runoff to sewer may cause fire or explosion hazard.

CAUTION: flammable vapor production at ambient temperature in the open is expected to be minimal unless the oil is heated above its flash point. However, industry experience indicates that light hydrocarbon vapors can build up in the headspace of storage tanks at temperatures below the flash point of the oil, presenting a flammability and explosion hazard. Tank headspaces should be regarded as potentially flammable, since the oil's flash point cannot be regarded as a reliable indicator of the potential flammability in tank headspaces.

Hazardous Combustion Products

Carbon monoxide, carbon dioxide and non-combusted hydrocarbons (smoke).

Extinguishing Media

SMALL FIRES: Any extinguisher suitable for Class B fires, dry chemical, fire fighting foam, CO₂, and other gaseous agents.

LARGE FIRES: Water spray, fog or fire fighting foam. Water may be ineffective for fighting the fire, but may be used to cool fire-exposed containers.

Unsuitable Extinguishing Media

None

Safety Data Sheet

Material Name: No. 6 Fuel Oil

Fire Fighting Equipment/Instructions

Small fires in the incipient (beginning) stage may typically be extinguished using handheld portable fire extinguishers and other fire fighting equipment. Firefighting activities that may result in potential exposure to high heat, smoke or toxic by-products of combustion should require NIOSH/MSHA- approved pressure-demand self-contained breathing apparatus with full facepiece and full protective clothing. Isolate area around container involved in fire. Cool tanks, shells, and containers exposed to fire and excessive heat with water. For massive fires the use of unmanned hose holders or monitor nozzles may be advantageous to further minimize personnel exposure. Major fires may require withdrawal, allowing the tank to burn. Large storage tank fires typically require specially trained personnel and equipment to extinguish the fire, often including the need for properly applied fire fighting foam.

*** Section 6 - Accidental Release Measures ***

Recovery and Neutralization

Carefully contain and stop the source of the spill, if safe to do so.

Materials and Methods for Clean-Up

Take up with sand or other oil absorbing materials. Carefully shovel, scoop or sweep up into a waste container for reclamation or disposal.

Emergency Measures

Evacuate nonessential personnel and remove or secure all ignition sources. Consider wind direction; stay upwind and uphill, if possible. Evaluate the direction of product travel, diking, sewers, etc. to confirm spill areas.

Personal Precautions and Protective Equipment

Response and clean-up crews must be properly trained and must utilize proper protective equipment (see Section 8).

Environmental Precautions

Protect bodies of water by diking, absorbents, or absorbent boom, if possible. Do not flush down sewer or drainage systems, unless system is designed and permitted to handle such material. The use of fire fighting foam may be useful in certain situations to reduce vapors.

Prevention of Secondary Hazards

None

*** Section 7 - Handling and Storage ***

Handling Procedures

Product is generally transported and stored hot (typical 110 - 140 °F). Handle as a combustible liquid. Keep away from heat, sparks, and open flame! Electrical equipment should be approved for classified area. Bond and ground containers during product transfer to reduce the possibility of static-initiated fire or explosion.

Storage Procedures

Keep away from flame, sparks, excessive temperatures and open flame. Use approved vented containers. Keep containers closed and clearly labeled. Empty product containers or vessels may contain explosive vapors. Do not pressurize, cut, heat, weld or expose such containers to sources of ignition.

Store in a well-ventilated area. This storage area should comply with NFPA 30 "Flammable and Combustible Liquid Code". Avoid storage near incompatible materials. The cleaning of tanks previously containing this product should follow API Recommended Practice (RP) 2013 "Cleaning Mobile Tanks In Flammable and Combustible Liquid Service" and API RP 2015 "Cleaning Petroleum Storage Tanks."

Safety Data Sheet

Material Name: No. 6 Fuel Oil

Hydrogen sulfide may accumulate in tanks and bulk transport compartments. Consider appropriate respiratory protection (see Section 8). Stand upwind. Avoid vapors when opening hatches and dome covers. Confined spaces should be ventilated prior to entry.

Incompatibilities

Keep away from strong oxidizers.

* * * Section 8 - Exposure Controls / Personal Protection * * *
--

Component Exposure Limits

Hydrogen sulfide (7783-06-4)

ACGIH: 1 ppm TWA

5 ppm STEL

OSHA: 20 ppm Ceiling / 50 ppm Peak (10 min.max.)

NIOSH: 10 ppm Ceiling (10 min); 15 mg/m³ Ceiling (10 min)

Engineering Measures

Use adequate ventilation to keep vapor concentrations of this product below occupational exposure and flammability limits, particularly in confined spaces.

Personal Protective Equipment: Respiratory

If a hydrogen sulfide hazard is present (that is, exposure potential above H₂S permissible exposure limit), use a positive-pressure SCBA or Type C supplied air respirator with escape bottle.

Where it has been determined that there is no hydrogen sulfide exposure hazard (that is, exposure potential below H₂S permissible exposure limit), a NIOSH-approved air-purifying respirator with organic vapor cartridges or canister may be permissible under certain circumstances where airborne concentrations are or may be expected to exceed exposure limits or for odor or irritation. Protection provided by air-purifying respirators is limited.

Use a positive pressure, air-supplied respirator if there is a potential for uncontrolled release, exposure levels are not known, in oxygen-deficient atmospheres, or any other circumstance where an air-purifying respirator may not provide adequate protection.

Personal Protective Equipment: Hands

Gloves constructed of nitrile, neoprene, or PVC are recommended.

Personal Protective Equipment: Eyes

Safety glasses or goggles are recommended where there is a possibility of splashing or spraying.

Personal Protective Equipment: Skin and Body

Chemical protective clothing such as of E.I. DuPont TyChem®, Saranex® or equivalent recommended based on degree of exposure. Note: The resistance of specific material may vary from product to product as well as with degree of exposure. Consult manufacturer specifications for further information.

Safety Data Sheet

Material Name: No. 6 Fuel Oil

*** Section 9 - Physical & Chemical Properties ***

Appearance:	Black, viscous	Odor:	Heavy, petroleum/asphalt-type odor
Physical State:	Liquid	pH:	ND
Vapor Pressure:	<0.1 psia @ 70 °F (21 °C)	Vapor Density:	NA
Boiling Point:	>500 °F (>260 °C)	Melting Point:	ND
Solubility (H2O):	Negligible	Specific Gravity:	0.876-1.000 (API 30.0-10.0)
Evaporation Rate:	Negligible	VOC:	ND
Octanol/H2O Coeff.:	ND	Flash Point:	141 °F minimum
Flash Point Method:	ASTM D-93	Upper Flammability Limit (UFL):	ND
Lower Flammability Limit (LFL):	ND	Burning Rate:	ND
Auto Ignition:	>765°F (>407°C)		

Hydrogen sulfide (H₂S) has a rotten egg "sulfurous" odor. This odor should not be used as a warning property of toxic levels because H₂S can overwhelm and deaden the sense of smell. Also, the odor of H₂S in heavy oils can easily be masked by the petroleum-like odor of the oil. Therefore, the smell of H₂S should not be used as an indicator of a hazardous condition - a H₂S meter or colorimetric indicating tubes are typically used to determine the concentration of H₂S.

*** Section 10 - Chemical Stability & Reactivity Information ***

Chemical Stability

This is a stable material.

Hazardous Reaction Potential

Will not occur.

Conditions to Avoid

Avoid high temperatures, open flames, sparks, welding, smoking and other ignition sources.

Incompatible Products

Keep away from strong oxidizers.

Hazardous Decomposition Products

Carbon monoxide, carbon dioxide and non-combusted hydrocarbons (smoke).

*** Section 11 - Toxicological Information ***

Acute Toxicity

A: General Product Information

Harmful if swallowed.

B: Component Analysis - LD50/LC50

Hydrogen sulfide (7783-06-4)

Inhalation LC50 Rat 0.701 mg/L 4 h; Inhalation LC50 Rat 0.99 mg/L 1 h

Potential Health Effects: Skin Corrosion Property/Stimulativeness

May cause skin irritation with prolonged or repeated contact. Practically non-toxic if absorbed following acute (single) exposure. May cause dermal sensitization. Liquid may be hot (typically 110 - 120 °F) which could cause 1st, 2nd, or 3rd degree thermal burns.

Safety Data Sheet

Material Name: No. 6 Fuel Oil

Potential Health Effects: Eye Critical Damage/ Stimulativeness

Contact with eyes may cause mild to moderate irritation.

Potential Health Effects: Ingestion

This material has a low order of acute toxicity. If large quantities are ingested, nausea, vomiting and diarrhea may result. Ingestion may also cause effects similar to inhalation of the product. Aspiration may result in chemical pneumonia (fluid in the lungs), severe lung damage, respiratory failure and even death.

Potential Health Effects: Inhalation

Because of its low vapor pressure, this product presents a minimal inhalation hazard at ambient temperature. Upon heating, fumes may be evolved. Inhalation of fumes or mist may result in respiratory tract irritation and central nervous system (brain) effects may include headache, dizziness, loss of balance and coordination, unconsciousness, coma, respiratory failure, and death.

WARNING: the burning of any hydrocarbon as a fuel in an area without adequate ventilation may result in hazardous levels of combustion products, including carbon monoxide, and inadequate oxygen levels, which may cause unconsciousness, suffocation, and death.

WARNING: Irritating and toxic hydrogen sulfide gas may be found in confined vapor spaces. Greater than 15 - 20 ppm continuous exposure can cause mucous membrane and respiratory tract irritation. 50 - 500 ppm can cause headache, nausea, and dizziness, loss of reasoning and balance, difficulty in breathing, fluid in the lungs, and possible loss of consciousness. Greater than 500 ppm can cause rapid or immediate unconsciousness due to respiratory paralysis and death by suffocation unless the victim is removed from exposure and successfully resuscitated. The "rotten egg" odor of hydrogen sulfide is not a reliable indicator for warning of exposure, since olfactory fatigue (loss of smell) readily occurs, especially at concentrations above 50 ppm. At high concentrations, the victim may not even recognize the odor before becoming unconscious.

Respiratory Organs Sensitization/Skin Sensitization

This product is not reported to have any skin sensitization effects.

Generative Cell Mutagenicity

May cause genetic defects. Materials of similar composition have been positive in mutagenicity studies.

Carcinogenicity

A: General Product Information

May cause cancer.

This material contains polynuclear aromatic hydrocarbons (PNAs), some of which are animal carcinogens. Studies have shown that similar products produce skin tumors in laboratory animals following repeated applications without washing or removal. The significance of this finding to human exposure has not been determined. Other studies with active skin carcinogens have shown that washing the animal's skin with soap and water between applications reduced tumor formation. The presence of carcinogenic PNAs indicates that precautions should be taken to minimize repeated and prolonged inhalation of fumes or mists.

B: Component Carcinogenicity

None of this product's components are listed by ACGIH, IARC, OSHA, NIOSH, or NTP.

Reproductive Toxicity

This product is not reported to have any reproductive toxicity effects.

Specified Target Organ General Toxicity: Single Exposure

This product is not reported to have any specific target organ general toxicity single exposure effects.

Safety Data Sheet

Material Name: No. 6 Fuel Oil

Specified Target Organ General Toxicity: Repeated Exposure

May cause damage to organs (respiratory system, skin) through prolonged or repeated exposure.

Aspiration Respiratory Organs Hazard

The major health threat of ingestion occurs from the danger of aspiration (breathing) of liquid drops into the lungs, particularly from vomiting. Aspiration may result in chemical pneumonia (fluid in the lungs), severe lung damage, respiratory failure and even death.

Other Toxicological Information

Trace amounts of nickel, vanadium, and other metals in slurry oil can become concentrated in the oxide form in combustion ash deposits. Vanadium is a toxic metal affecting a number of organ systems. Nickel is a suspect human carcinogen (lung, nasal, sinus), an eye, nose, and throat irritant, and can cause allergic skin reaction in some individuals.

*** Section 12 - Ecological Information ***

Ecotoxicity

A: General Product Information

Keep out of sewers, drainage areas and waterways. Report spills and releases, as applicable, under Federal and State regulations.

B: Component Analysis - Ecotoxicity - Aquatic Toxicity

Fuel oil (68476-33-5)

Test & Species

96 Hr LC50 Pimephales promelas

35 mg/L [flow-through]

96 Hr LC50 Brachydanio rerio

48 mg/L [semi-static]

Conditions

Hydrogen sulfide (7783-06-4)

Test & Species

96 Hr LC50 Lepomis macrochirus

0.0448 mg/L [flow-through]

96 Hr LC50 Pimephales promelas

0.016 mg/L [flow-through]

96 Hr LC50 Gammarus pseudolimnaeus

0.022 mg/L

Conditions

Persistence/Degradability

No information available.

Bioaccumulation

No information available.

Mobility in Soil

No information available.

*** Section 13 - Disposal Considerations ***

Waste Disposal Instructions

See Section 7 for Handling Procedures. See Section 8 for Personal Protective Equipment recommendations.

Disposal of Contaminated Containers or Packaging

Dispose of contents/container in accordance with local/regional/national/international regulations.

Safety Data Sheet

Material Name: No. 6 Fuel Oil

*** Section 14 - Transportation Information ***

DOT Information

Shipping Name: Combustible liquid, n.o.s.

NA #: 1993 Hazard Class: - Packing Group: III

Placard:



*** Section 15 - Regulatory Information ***

Regulatory Information

Component Analysis

This material contains one or more of the following chemicals required to be identified under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65) and/or CERCLA (40 CFR 302.4).

Hydrogen sulfide (7783-06-4)

SARA 302: 500 lb TPQ

CERCLA: 100 lb final RQ; 45.4 kg final RQ

SARA Section 311/312 – Hazard Classes

Acute Health

X

Chronic Health

X

Fire

X

Sudden Release of Pressure

--

Reactive

--

SARA SECTION 313 - SUPPLIER NOTIFICATION

This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act (EPCRA) of 1986 and of 40 CFR 372:

INGREDIENT NAME (CAS NUMBER)

Polycyclic aromatic compounds (PACs)

Benzo (g,h,i) perylene (191-24-2)

Lead (7439-92-1)

Mercury (7439-97-6)

Vanadium (7440-62-2)

Polychlorinated biphenyls (PCBs)

CONCENTRATION [PARTS PER MILLION (PPM) BY WEIGHT]

2461

26.5

1

0.00067

3.325

Though EPA estimates 10% of the residual fuel oil "pool" may have < 50 ppm PCBs (Ref 2), Hess has no reason to believe there are any PCBs in its residual fuel oil products.

State Regulations

Component Analysis - State

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS	CA	MA	MN	NJ	PA	RI
Fuel oil	68476-33-5	No	No	No	No	Yes	No
Hydrogen sulfide	7783-06-4	Yes	Yes	Yes	Yes	Yes	No

Safety Data Sheet

Material Name: No. 6 Fuel Oil

Component Analysis - WHMIS IDL

No components are listed in the WHMIS IDL.

Additional Regulatory Information

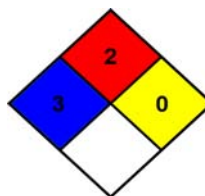
Component Analysis - Inventory

Component	CAS #	TSCA	CAN	EEC
Fuel oil	68476-33-5	Yes	DSL	EINECS
Hydrogen sulfide	7783-06-4	Yes	DSL	EINECS

* * * Section 16 - Other Information * * *

NFPA® Hazard Rating

Health	3
Fire	2
Reactivity	0



HMIS® Hazard Rating

Health	3*	Slight
Fire	2	Moderate
Physical	0	Minimal

*Chronic

Key/Legend

EPA = Environmental Protection Agency; TSCA = Toxic Substance Control Act; ACGIH = American Conference of Governmental Industrial Hygienists; IARC = International Agency for Research on Cancer; NIOSH = National Institute for Occupational Safety and Health; NTP = National Toxicology Program; OSHA = Occupational Safety and Health Administration., NJTSR = New Jersey Trade Secret Registry.

Literature References

None

Other Information

Information presented herein has been compiled from sources considered to be dependable, and is accurate and reliable to the best of our knowledge and belief, but is not guaranteed to be so. Since conditions of use are beyond our control, we make no warranties, expressed or implied, except those that may be contained in our written contract of sale or acknowledgment.

Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Additionally, vendor assumes no responsibility for injury to vendee or third persons proximately caused by abnormal use of the material, even if reasonable safety procedures are followed. Furthermore, vendee assumes the risk in their use of the material.

End of Sheet

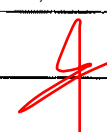
Please Type or Print Clearly
and Complete All Items**Application For Major Petroleum Facility License**

Pursuant to Article 12 of the Navigation Law and 6 NYCRR 610; 17 NYCRR 30

Section A

(See enclosed instructions and please be sure to complete Sections A, B & C)

Expiration Date:

License Number 2-1500	FACILITY	Facility Name: Morgan Terminal		TYPE OF PETROLEUM FACILITY: (Check only one) <input type="checkbox"/> 01=Storage Terminal/Petroleum Distributor <input type="checkbox"/> 04=Manufacturing (Other than Chemical)/ Processing <input type="checkbox"/> 06=Trucking/Transportation/Fleet <input type="checkbox"/> 11=Airline/Air Taxi <input type="checkbox"/> 15=Railroad <input type="checkbox"/> 20=Chemical Manufacturing <input type="checkbox"/> 05=Utility <input type="checkbox"/> 08=School <input type="checkbox"/> 14=Refinery <input type="checkbox"/> 16=Vessel/Barge <input checked="" type="checkbox"/> 99=Other (Specify): All Bulk Storage Tanks Removed	
DEC CBS Number: (If applicable)		Location (Not P.O. Boxes) 200 Morgan Avenue			
		Location (cont.):			
		City: Brooklyn	State: New York		
		County: Kings	Township or City:		
Transaction Type (Check all that apply) NOTE: Transaction Types 1, 2 and 5 may require a fee	OWNER	Name of Operator at Facility: N/A		Facility Telephone Number: None	
<input type="checkbox"/> 1) Initial/New Facility		Emergency Contact Name: English Kills Ventures LLC, Asher Zwebner, Tr.		Emergency Telephone Number: 832-380-5133	
<input checked="" type="checkbox"/> 2) Change of Ownership		Owner Name: English Kills Ventures LLC, by RANBAN Trust, Sole Member Asher Zwebner, Trustee			
<input checked="" type="checkbox"/> 3) Substantial Tank Modification		Address (Street and/or P.O.): 5014 16th Avenue - Suite 110			
<input checked="" type="checkbox"/> 4) Information Correction		City: Brooklyn	State: New York	Zip Code: 11204	
<input type="checkbox"/> 5) Renewal		Federal Tax ID Number: 26-6626565		Owner Telephone Number: 832-380-5133	
Type of Owner: (check only one)	LEGAL	Legal Agent Name: Robert Feller Esq c/o Bond, Schoeneck, & King			
<input type="checkbox"/> State Government		Address (Street and/or P.O.): 111 Washington Avenue			
<input type="checkbox"/> Local Government		City: Albany	State: New York	Zip Code: 12210	
<input type="checkbox"/> Federal Government		Date Filed With The Secretary Of State: November 12, 2009			
<input checked="" type="checkbox"/> Corporate/Commercial					
For Vessels Only Vessel ID/Hull Number:	CORRESPONDENCE	(Please keep up to date - this information is used for mailing and contact purposes)			
		Attention: Bill Hughes			
		Name of Company: GeoQuest, Inc. (environmental consultants)			
		Address: 3 Barnard Lane - Suite 203			
		Address:			
		City/State/Zip Code: Bloomfield, Connecticut 06002			
		Telephone Number: 860-243-1757		E-Mail Address: bhughes@geoquestinc.com	
PRODUCT TRANSFER OPERATIONS: (Check all that apply) <input type="checkbox"/> 1=Tank Truck <input type="checkbox"/> 2=Railroad Car <input type="checkbox"/> 3=Vessel/Barge (incl. off-shore platform) <input type="checkbox"/> 4=Pipeline <input checked="" type="checkbox"/> 5=Other(Specify): Bulk Storage Tanks Removed Average Daily Throughput (Gallons): N/A Total Storage Capacity (Gallons): Bulk Storage Capacity - Zero I hereby certify under penalty of perjury that the information provided on this form is true to the best of my knowledge and belief. False statements made herein are punishable as a Class A misdemeanor pursuant to Section 210.45 of the Penal Law. Name of Owner or Authorized Representative: English Kills Ventures LLC by RANBAN Trust, Sole Member, Asher Zwebner, Trustee Title: Trustee Signature:  Date: 6-14-2013					
OFFICIAL USE ONLY Date Received _____ Sections Completed: A: <input type="checkbox"/> Yes <input type="checkbox"/> No B: <input type="checkbox"/> Yes <input type="checkbox"/> No C: <input type="checkbox"/> Yes <input type="checkbox"/> No Date Processed _____ Reviewed by _____					

2-1500

(See enclosed instructions and use the key located on the bottom of this sheet to complete each item/column)

License Expiration Date: 1991

<u>Action (1)</u>	<u>Product Stored (2)</u>	<u>Tank Type (8)</u>	<u>External Protection (10/18)</u>	<u>Pipine Type (17)</u>	<u>Secondary Containment (11/19)</u>	<u>Piping Location (16)</u>
1. Initial Listing	0000. Empty	01. Steel/Carbon Steel/Iron	00. None	00. None	00. None	00. No Piping
2. Add Tank	0001. #2 Fuel Oil	02. Galvanized Steel Alloy	01. Painted/Asphalt Coating	01. Steel/Carbon Steel/Iron	01. Diking (A/G)	01. Aboveground
3. Close/Remove Tank	0002. #4 Fuel Oil	03. Stainless Steel Alloy	02. Original Sacrificial Anode	02. Galvanized Steel	02. Vault (w/access)	02. Underground/On-ground
4. Information Correction	0003. #6 Fuel Oil	04. Fiberglass Coated Steel	03. Original Impressed Current	03. Stainless Steel Alloy	03. Vault (w/o access)	03. Aboveground/Underground
5. Modify/Repair/Reline Tank	0004. Asphalt	05. Steel Tank in Concrete	04. Fiberglass	04. Fiberglass Coated Steel	04. Double-Walled (U/G)	Combination
<u>Tank Location (3)</u>	0006. Crude Oil	06. Fiberglass Reinforced Plastic (FRP)	05. Jacketed	05. Steel Encased in Concrete	05. Synthetic Liner	<u>Pipe Leak Detection (20)</u>
1. Aboveground-contact w/soil	0008. Diesel	07. Plastic	06. Wrapped (Piping)	06. Fiberglass Reinforced Plastic (FRP)	06. Remote Impounding Area	00. None
2. Aboveground-contact w/impervious barrier	0009. Gasoline	08. Equivalent Technology	07. Retrofitted Sacrificial Anode	07. Plastic	07. Excavation/Trench Liner System	01. Interstitial Electronic Monitoring
3. Aboveground on saddles, legs, stilts, rack, or cradle	2712. Gasoline/Ethanol	09. Concrete	08. Retrofitted Impressed Current	08. Equivalent Technology	08. Flexible Internal Liner (Bladder)	02. Interstitial Manual Monitoring
4. Aboveground with 10% or more below ground	2710. Biodiesel	10. Urethane Clad Steel	09. Urethane	09. Concrete	09. Modified Double-Walled (A/G)	03. Vapor Well
5. Underground	0011. Jet Fuel	99. Other-please list:*	99. Other-please list:*	10. Copper	10. Impervious Underlayment	04. Groundwater Well
6. Underground, vaulted, with access	0012. Kerosene	<u>Internal Protection (9)</u>	<u>Tank Leak Detection (12)</u>	11. Flexible Piping	11. Double Bottom (A/G)	07. Pressurized Piping Leak Detector
	0013. Lube Oil	00. None	00. None	99. Other-please list:*	99. Other-please list:*	08. Tank Top Sump (Piping)
	0022. Waste/Used Oil	01. Epoxy Liner	01. Interstitial Electronic Monitoring			09. Exempt Suction Piping
	0259. #5 Fuel Oil	02. Rubber Liner	02. Interstitial Manual Monitoring	<u>Overfill Prevention(13)</u>	<u>Spill Prevention (14)</u>	99. Other-please list:*
	2642. Used Oil (Heating)	03. Fiberglass Liner (FRP)	03. Vapor Well	00. None	00. None	<u>Dispenser (15)</u>
	9999. Other -please list :*	04. Glass Liner	04. Groundwater Well	01. Float Vent Valve	01. Catch Basin	00. None
<u>Status (4)</u>		99. Other-please list:*	05. In-Tank System (ATG)	02. High Level Alarm	02. Transfer Station Containment	01. Submersible
1. In-service			06. Impervious Barrier/Concrete Pad (A/G)	03. Automatic Shut-off	99. Other - Please list*	02. Suction
2. Temporarily out-of-service			99. Other-please list:*	04. Product Level Gauge(A/G)		03. Gravity
3. Closed-Removed				05. Vent Whistle		
4. Closed- In Place				99. Other-please list:*		
5. Tank converted to Non-Regulated use						

* If other, please list on a separate sheet including Tank Number

SECTION C

(See Instructions on Cover Sheet)

INITIAL/NEW FACILITY AND CHANGE OF OWNERSHIP APPLICATIONS ONLY

APPLICANT, PLEASE CHECK APPROPRIATE BOX FOR QUESTIONS 1 THRU 6 AND ATTACH OR INSERT INFORMATION AS REQUIRED

- | | Yes | No | |
|----|--------------------------|-------------------------------------|--|
| 1. | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Does this facility have a federal spill prevention control and countermeasure (SPCC) plan? If Yes, please attach a copy. If No, please see instructions. |
| 2. | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Does this facility have an operations manual on file with the U.S. Coast Guard? If yes, please attach a copy. If No, please see instructions. |
| 3. | <input type="checkbox"/> | <input checked="" type="checkbox"/> | In addition to 1 and 2 above, does this facility have a plan for the prevention of petroleum spills or discharges? If so, please attach a copy. |
| 4. | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Does this facility have a separate clean-up and removal plan? Please see instructions and attach a copy. |
| 5. | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Are plans referenced in questions 1 through 4 above fully implemented? If not, indicate anticipated date for complete implementation. <u>All bulk tanks removed May 31, 2013</u>
DATE |
| 6. | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Has this facility experienced a spill or an uncontrolled discharge during the past five years? If so, please see instructions. |

RENEWAL APPLICATIONS ONLY

APPLICANT, PLEASE CHECK APPROPRIATE BOX FOR QUESTIONS 7 THROUGH 9 AND ATTACH OR INSERT INFORMATION AS REQUIRED

- | | Yes | No | |
|----|--------------------------|--------------------------|--|
| 7. | <input type="checkbox"/> | <input type="checkbox"/> | Has the facility experienced a spill or an uncontrolled discharge during the past year? If so, please see instructions. |
| 8. | <input type="checkbox"/> | <input type="checkbox"/> | Have any major additions or changes to the structure or equipment of the facility been made within the past year which would materially affect the potential for a petroleum discharge? If yes, please see instructions and attach requested information. |
| 9. | <input type="checkbox"/> | <input type="checkbox"/> | Has the facility's federal SPCC plan, U.S. Coast Guard Operations Manual, and/or other spill control plans submitted for initial licensing been amended or otherwise changed during the past year? Please see instructions and attach requested information. |

ALL APPLICATIONS

APPLICANT, PLEASE CHECK APPROPRIATE BOX FOR QUESTIONS 10 THROUGH 16 AND ATTACH OR INSERT INFORMATION AS REQUIRED

- | | Yes | No | |
|-----|-------------------------------------|-------------------------------------|--|
| 10. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Does this facility have any uncorrected violations cited by the U.S. Coast Guard and/or the U.S. Environmental Protection Agency? If so, please attach an explanation. |
| 11. | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Is a general site plan included in the submitted plan(s)? If not, please attach a copy. If yes, specify plan and page. <u>see attached</u> |
| 12. | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Does the submitted plan(s) indicate how petroleum spills or discharges are prevented from contaminating groundwaters? If not please see instructions. If yes, specify plan and page. _____ |
| 13. | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Is this facility a member of a discharge clean-up organization or cooperative? If so, please enter name and address of organization, and attach a copy of the agreement.
NAME _____ ADDRESS _____ |
| 14. | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Does this facility contract for discharge clean-up services? If so, please enter name and address of contractor.
NAME _____ ADDRESS _____ |
| 15. | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Does this facility dispose of petroleum contaminated wastes (debris, dirt, sludges, sorbents, waste oil, etc.) off site? If so, please enter name and address of company(s) and the location(s) of disposal site(s).
NAME _____ ADDRESS _____ SITE LOCATION _____ |
| 16. | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Does the submitted plan(s) show compliance with 6 NYCRR 613.2-613.9, Handling and Storage of Petroleum and 6 NYCRR 614.2-614.14, Standards for New and Substantially Modified Petroleum Storage-Facilities? If not, please indicate anticipated date for compliance. <u>All bulk storage tanks removed by May 31, 2013</u>
DATE |

New York State Department of Environmental Conservation

**Petroleum Bulk Storage (PBS) Notification for Tank Installation, Closing, Repair or Reconditioning**

This form is to serve as notification of tank installation, closing, repair or reconditioning per 6 NYCRR Part 612.2(d) of the Petroleum Bulk Storage Regulations which states "Substantially modified facilities. Within thirty (30) days prior to substantially modifying a facility, the owner must notify the Department of such modification on forms supplied by the Department." If the schedule for work changes you must notify the Department's Regional Office. Once the actions are complete you are responsible for submitting an PBS application to the Department with the complete tank information including the date the action was completed.

PBS# _____ Date June 7, 2013

Site Name: Morgan Terminal	Owner Name: English Kills Ventures, LLC	Contractor: La Viviana Industries, Inc.
Site Address: 200 Morgan Avenue	Owner Address: 5014 16th Avenue - Suite 110 Brooklyn, New York 11204	Address: 280 Woodlands Avenue White Plains, New York
Site Contact: Environmental Contact GeoQuest, Inc.	Owner Contact:	Contact: Jacques Guillet
Phone Number: 860-243-1757	Phone Number: 832-380-5133	Phone Number: 914-309-4317
Fax Number: 860-243-9414	Fax Number: 281-817-5537	Fax Number:
Email Address: bhughes@geoquestinc.com	Email Address: lepmanagement89@gmail.com	Email Address:

For Tank Closing & Removal –OR- Closing in Place –OR- Repair/Reconditioning (Tank Installs on other side):

Tank Number	Type of Action (Close & Remove, Close in Place, Repair/Recond.)	Proposed Date of Action	Tank Location (Aboveground or Underground)	Capacity (Gallons)	Spills/Leaks (Y/N or Spill # if known)	Reason	Replacement tank info on other side	No Replacement
1	Close & Remove	May 31, 2013	Underground	645,000	N	Out of Service		X
2	Close & Remove	May 31, 2013	Underground	70,000	N	Out of Service		X
3	Close & Remove	May 31, 2013	Underground	55,000	N	Out of Service		X
4	Close & Remove	May 31, 2013	Underground	67,000	N	Out of Service		X
5	Close & Remove	May 31, 2013	Underground	507,000	N	Out of Service		X
6	Close & Remove	May 30, 2012	Underground	400,000	N	Out of Service		X
7	Close & Remove	May 30, 2012	Underground	244,000	N	Out of Service		X

I hereby certify under penalty of perjury that the information provided on this form is true to the best of my knowledge and belief. False statements made herein are punishable as a Class A misdemeanor pursuant to Section 210.45 of the Penal Law.

Signature of Owner or Authorized Representative

Date 6-14-2013

00. None
01. Submersible
02. Suction
03. Gravity

* If other, please list on a separate sheet including Tank Number

200 MORGAN AVENUE



OPENING REPORT

**200 MORGAN AVENUE
BROOKLYN , NEW YORK**

**NYSDEC SPILL # 9211657/9209135
CONTRACT # D100479/D100680
PIN # SP92402**

PREPARED FOR:

**NEW YORK STATE DEPARTMENT OF
ENVIRONMENTAL CONSERVATION**

**222-34 96TH. AVENUE
QUEENS VILLAGE N.Y. 11427**

MR. CHRIS TOMASELLO

PREPARED BY:

**WINSTON CONTRACTING
18 RAMSEY ROAD
COMMACK , NY 11725**

**PREPARED ON:
REVISED ON:**

**SEPTEMBER 26,1994
FEBRUARY 25,1995**

200 MORGAN AVENUE

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e) SAFETY PLAN
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1.0 INTRODUCTION

Winston Contracting is presently engaged in the cleaning of a major oil terminal which has been abandoned. Morgan Oil is located at 198 - 200 Morgan Ave. Brooklyn N.Y. The site location lies on the East side of the street approximately two thousand feet(2,000') West of Grand Ave, and three thousand five hundred feet (3,500') East of Johnson Avenue. It intersects with Stagg Street. The English Kills Waterway borders the East and the North side of the facility. Commercial buildings border the West side of the facility. A geographical area map is included in the appendices of this report. There are seven (7) underground storage tanks on the site.

Their holding capacities range from fifty four thousand, nine hundred fifty seven gallons (54,957) (Tank #3) to six hundred forty seven thousand, and sixty eight gallons (647,068) (Tank #1). There are also several other underground storage tanks. One UST is for diesel fuel (550 gallons) another is for waste oil (5,000gallons) and four other tanks used for gasoline (550 gallons each). There is also an oil/water separator on the site which is located near the maintenance garage. There are 13 UST's altogether.

A complete tank chart is included in the appendices of this report.

Preliminary readings of actual amounts of liquid and sludge to be

Page 2

removed were inaccurate. The measurements were taken from the top of the man ways going into tanks. It was difficult to get a precise measurement for the amount of volume remaining in the tanks, due to the fact you could not measure the amount of volume towards the sides and the middle of the tanks. Also included on the site is an office building, a repair garage, boiler room, foam room and a storage shed. The facility also has three loading docks which are located as follows: The first two are located in the front of the facility and the third one is located in the middle of the facility. There is also a barge loading area located behind the maintenance garage. A complete site map will be included in the appendices of this report. It should also be noted that there was a broken water main in the basement office which would have to be repaired. This condition was dangerous due to the fact that the water level was engulfing all the electrical meters. This would have to be corrected by pumping out the basement and repairing the broken main. There was also garbage strewn all over the site which would have to be cleaned and disposed of properly.

2.0 CONTRACTUAL WORK PERFORMED

Winston Contracting and NYSDEC had a preliminary meeting on March 24, 1994 at the site to discuss various aspects of the work to be performed. It was determined that an eight (8') high Cyclone fence would be installed in front of the facility along with razor wire and two (2) ten (10') ten foot wide gates. The gates would be installed for access of our equipment. It was also discussed that the

existing rear fencing be repaired and also install razor along the top of the fence. It was further determined that a manned security guard be on site during non working hours. The manned security is a cost effective measure due to the fact that we could leave all our equipment on site instead of daily mobilization and demobilization. This would also give us more time for actual work. The actual beginning of the fence installation and repair of the rear fence began on April 8, 1994, and was completed on April 25, 1994.

Winston Contracting brought on site a temporary trailer which would be utilized as an equipment trailer. Temporary electrical service was installed due to the fact that all service had been discontinued. The electrical panel boxes that were installed had to be moved to various locations throughout the job for accessibility..All the panel boxes and lighting used were explosion proof. During the entire course of the work Winston had daily safety meetings with all personnel on the job. Maintenance and decontamination for all our equipment was also performed daily. Winston would also have daily communication with Mr. Anthony Sigona (NYSDEC) for work progress discussion.

Winston Contracting began removing liquid from tank #7 on April 19,1994. The liquid (water and diesel fuel) were disposed of at BCF which is located in Brooklyn. The following day we removed liquid (oil/water) from tank #1 which was also disposed of at BCF. After the liquid was removed from tank #7, Winston Contracting then had delivered a twenty (20) yard container for the removal of the sludge. (The container was delivered from BFI.) After all liquid was removed from

tanks #6&7 Winston was directed by NYSDEC to start cleaning all above ground pipelines. Winston then began the cleaning of the pipelines by first dismantling various elbows, unions, and couplings. This was done so that we could thoroughly drain and clean all product that was remaining inside the pipelines. The first procedure was to drain all the lines in the entire facility. (Product consisted of #2,4, and 6 fuel oil). The next procedure was to actually clean out the lines. This was done by using oil absorbent pads, 5" and 8" absorbent booms and oil absorbent snares. All the pumps located on top of the tanks and all the pipes at the loading docks were also drained and cleaned. When all the pipe cleaning was completed, Winston then proceeded to cap all of the open pipelines with gasket Material and steel caps. Fabrication was done on site for each opening. Winston Contracting then began tank cleaning procedures for tank #7 to remove the sludge. The following are the procedures taken for tank entry. 1) A safety plan was instituted (copy of plan is included in report). 2) A Rotron exhaust blower was installed. 3) An explosion proof 1400 watt light was installed in the tank. 4) A safety tripod with steel safety lines were utilized. 5) Two breathable air compressors were used to supply breathable air to personnel inside the tank. (Two people per air pump). 6) Protective clothing which consisted of oil resistant boots, gloves, and tyvek suits. 7) Crow -Con gas monitor. (Monitoring was done continuously when work was being performed in the tanks).

During the cleaning of tanks #6&7 Winston built temporary protective sheds for the breathable air compressors (protection from the elements).

Page 5

There were five meetings held in the month of May. The first meeting was held on May 11, 1994 with Mr. Frank CiFuentes from the New York City Fire Department. Mr. CiFuentes was given a tour of the facility to discuss the work that would be done. Mr. Cifuentes concurred with all of our procedures. Our second meeting was held on May 12, 1994 with Mr. Anthony Sigona from NYSDEC. We discussed the progress of the work. On April 11, 1994 Mr. Sigona and Mr. Alexander Khelem conducted a test to survey the presence or absence of asbestos in the office ceiling tile, and all the above ground piping in the depot. It was concluded that there was no presence of asbestos in the ceiling tile, but there was asbestos present in the coverings of the above ground piping. Mr. Sigona directed Winston Contracting to encapsulate all the exposed asbestos on the above ground pipes. We wrapped all the exposed asbestos with 6 mil poly and duct tape. A copy of the test results are in the appendices of this report.

Winston was also directed to install 4x8 sheets over the broken windows on the office for safety purposes, because the glass was falling and flying, this was dangerous to our men. The third meeting was held also on May, 12, 1994 with Miss Chris Proctor. Miss Proctor is a certified Industrial hygienist. The reason for the meeting was to see if Winston had any problems understanding the site safety plan that Miss Proctor had created for the job. Miss Proctor gave all Winston personnel on the job a lecture on safety. We checked all equipment to ensure the fact that all of Winston's equipment was in satisfactory working condition. Miss Proctor also calibrated the Crow Con gas

meter. Our equipment met all the specifications.

Winston's fourth meeting was held on May 18, 1994 with N.Y.C.F.D. Marshall representatives, July Cheapko and Ray Forbes. They were given a tour of the facility and they also concurred with all of Winston's work procedures and recommendations. Our final meeting for the month was held on May 23, 1994 with Mr. Anthony Sigona from NYSDEC. Mr. Sigona went over all work being done at the present time and his findings were that Winston was doing all the work properly.

On May 31, 1994 Winston did the final cleaning of tank #7. All tank sludges were removed and hot pressure washing with de greaser was used for tank cleaning. The following day, tank cleaning procedures for tank #6 were initiated. Cleaning of tank #6 was completed on June 14, 1994.

A meeting was held on June 7, 1994 with representatives from the United States Coast Guard. Ensign Tim McCallister and C.M. Jake Hobbson were given a tour of the facility, to show them the work that was being done. They concurred with our work progress and recommendations.

Pumping of tank #5 began on June 15. Upon receipt of the test results of tank #5 pumping was halted due to an unacceptable level of Tetrachloroethene. The reason that levels of hazardous oil and sludge were not detected in the preliminary test results (done by NYSDEC) is because they were stratispherically blocked. We tested the 5,500 gallon UST so we could store the hazardous liquid. The tank showed no leaks.

Page 7

Since the contents of tank #5 were considered hazardous, Winston brought in a 5,500 gallon storage tanker to the site so that we could store all the product until we could dispose of it according to all Federal, State, and Local laws. The hazardous waste was disposed of at Chemical Pollution Control. Copies of all manifests have already been sent to NYSDEC. Cleaning of tank #5 was completed on August 24 . Tank #5 was inspected by Mr. Anthony Sigona from above ground.

After receiving test results, it was determined that tank #1 also contained hazardous product. By utilizing Winston's vacuum truck we were able to remove liquid (oil/water) from the tank. Due to the fact that the remaining sludge was too heavy to vacuum with our truck, it was decided to cut a hole in the top of the tank so that we could remove the sludge. This procedure would be more cost effective for N.Y.S.D.E.C. The first procedure was to excavate a 15' x 15' hole on top of the tank. We then cut the tank open using a reciprocating and a cut off saw. A safety ring was built around the hole, also safety rails and fencing were installed to prevent anyone from accidentally falling into the tank. The next procedure was to bring on site a crane and a bucket. The crane was used to lift the bucket in and out of the tank. After the bucket was lowered to the bottom, Winston personnel filled the bucket (one yard) with sludge, then it was lifted out of the tank with the crane and dumped into a 30 yard container for disposal. For proper disposal procedures it was necessary to solidify the sludge with speedy - dry. After we discussed this procedure with Mr. Chris Tomasello, it was decided

to use kiln dust to solidify the sludge because this would be a more cost effective measure. A protective shed was built for the storage of the kiln dust. A total of ten (10) thirty (30) yard containers were needed to remove the sludge from the site for disposal. After cleaning procedures were done for tank one, Winston then began cleaning tank #2. During the cleaning of tank #2, we resealed the hole in tank #1. This procedure was done by welding additional plates along the outside perimeter of the plate that was removed originally. After installing a rubber gasket we then set the plate back over the opening. We then poured concrete around the perimeter so as to insure a tight seal to prevent water leakage into the tank. We then backfilled the excavated hole. The crane and bucket were then removed from the site. After completing tank #2 Winston then began cleaning tank #3. During the cleaning of tank #3 there was a progress meeting held with Mr. Chris Tomasello from N.Y.S.D.E.C. Mr. Tomasello was satisfied with the work being done. Under the direction of Mr. Tomasello we monitored the wells. There was product found in some of the wells. The product was then removed. Monitoring reports are in the appendices of this report. Winston also had a meeting with Mr. Nick Scerenza from N.Y.C.F.D., he also concurred with Mr. Tomasello's findings.

After completion of tank #3 we then entered tank #4 for cleaning. Tank #4 was completed on 12/29/94. After the completion of the final tank (#4) Winston then reentered tanks # 1,2,3,4,5,6,7 for tank investigation. The following comments apply to our tank investigation.

Tank #1-- The investigation of the tank concludes that the tank itself is sound. There are no visible signs of holes in the tank. Although there is a large amount of water on the tank floor, the tank is probably porous. We feel that the water was also result of the manways leaking. To stop the leakage of water all the manways were made water tight by using a gasket between the cover and the manway. All stick lines and vents were filled with concrete (including the gas tanks). Finally, there are no visible signs of rust.

Tank #2-- Tank was found to be sound with no visible defects. No leakage and no visible signs of rust were found. Manways will be made water tight by using the same procedure as in tank #1.

Tank #3-- Tank was found to be sound with no visible defects. No leakage and no visible signs of rust were found. Manways will be made water tight by using the same procedure as in tank #1. There was a small amount of product found near the Northeast side of the tank, this was due to the product that remained in the suction line. Product was wiped, with absorbent wipes. After the product was cleaned, further investigation proved that there was no more product in the line.

Tank #4-- Tank was found to be sound with no visible defects. No leakage in tank. There were visible signs of rust on the tank floor. Approximately 20% of the floor is rusted. Manways will be made water tight by using same procedure used in tank #1.

Tank #5-- Tank in general was found to be sound with no visible

defects. One problem was discovered on the floor, about 8' from the Southeast corner of the tank. We found approximately a 6' x 6' area of the floor to be bulging upward. This is probably due either an air pocket, a shift in the ground, or water pushing the steel floor upward. No leakage in the tank. There were visible signs of rust on the tank floor. Approximately 40% of the floor is rusted. Manways will be made water tight using the same procedure used in tank #1.

Tank #6-- Tank was found to be sound with no visible defects. No leakage in tank. There were visible signs of rust on the tank floor. Approximately 55% of the floor is rusted. Manways will be made water tight by using same procedure used in tank #1.

Tank#7-- Tank was found to be sound with no visible defects. No leakage in tank. There were visible signs of rust on the tank floor. Approximately 60% of the floor is rusted. There were signs of water on the tank floor, but this was due to condensation. Manways will be made water tight by using same procedure used in tank #1.

In general all seven tanks were found to be sound and free of defects.

When the tank investigation ended, all manways were sealed with gaskets, and bolted down to prevent any water from entering the tank.

Winston began final cleaning operations for the project on 01/12/95. We tested the product that was being removed from the underground storage tank (located in front of the premises by the boiler room) The results indicated the product did not meet standard requirements for normal disposal. Product was deemed hazardous

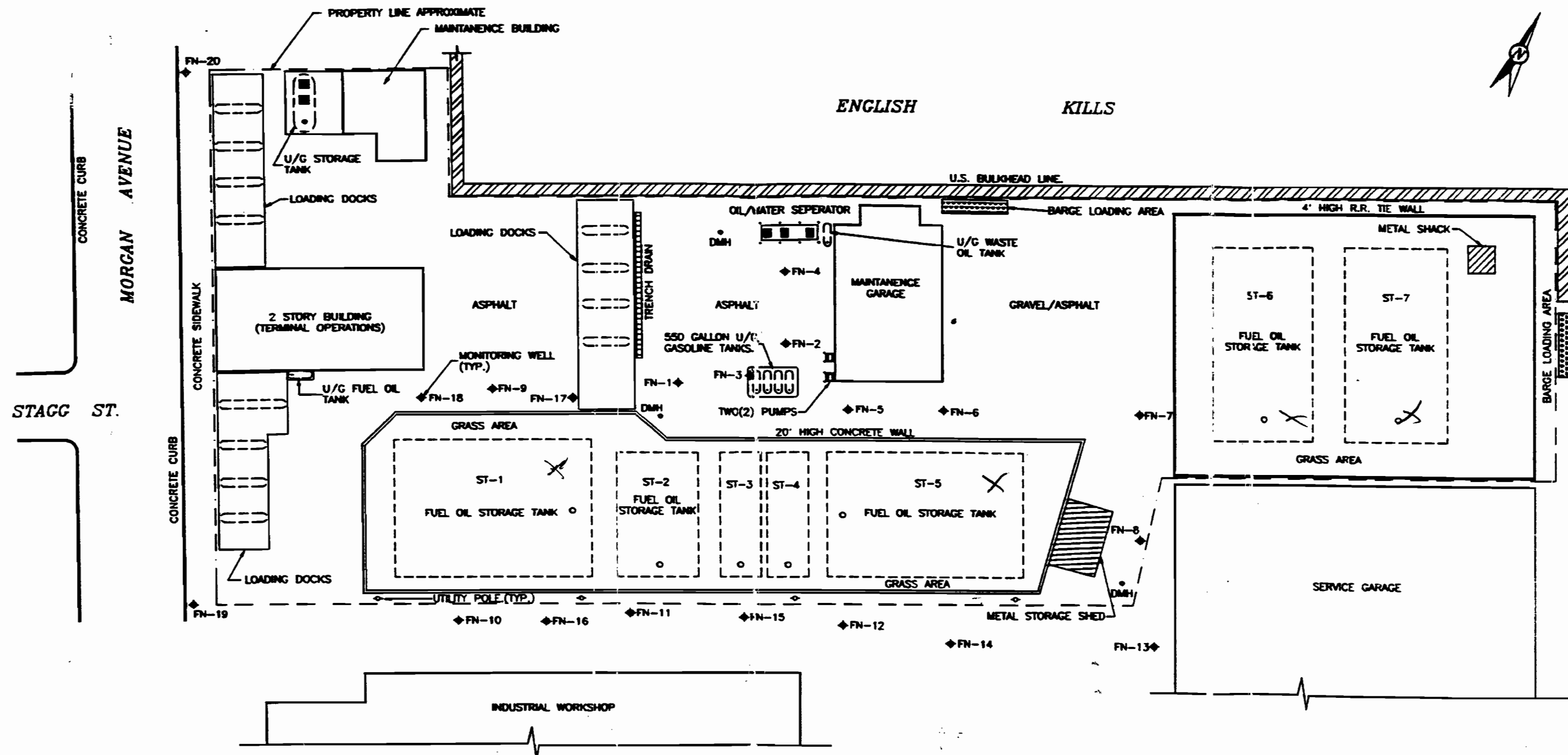
and then disposed of according to all N.Y.S., N.Y.C., and Federal regulations. Winston then vacuumed and cleaned the oil/water separator. The trench drains (located under the middle loading dock) were also vacuumed and cleaned. The four gasoline tanks (located by the maintenance garage) were also cleaned and vacuumed. The last tank that was vacuumed and cleaned was the diesel storage tank (located by the office). After all cleaning operations were completed Winston removed all equipment from the job site. All contractual work at 200 Morgan Avenue was terminated on 01/31/95.

Note: Photographs and a video tape of the work are included in this report.

3.0 RECOMMENDATIONS

Winston Contracting recommends that all monitoring wells be monitored on a bimonthly basis. There should also be installed several recovery systems throughout the facility.

SITE MAP



WINSTON CONTRACTING

Emergency Response
Oil & Hazardous Waste
Tank Management
Office #718-445-4232
24 Hour Emergency #1-800-846-8099



MAP SCALE 1" = 40'

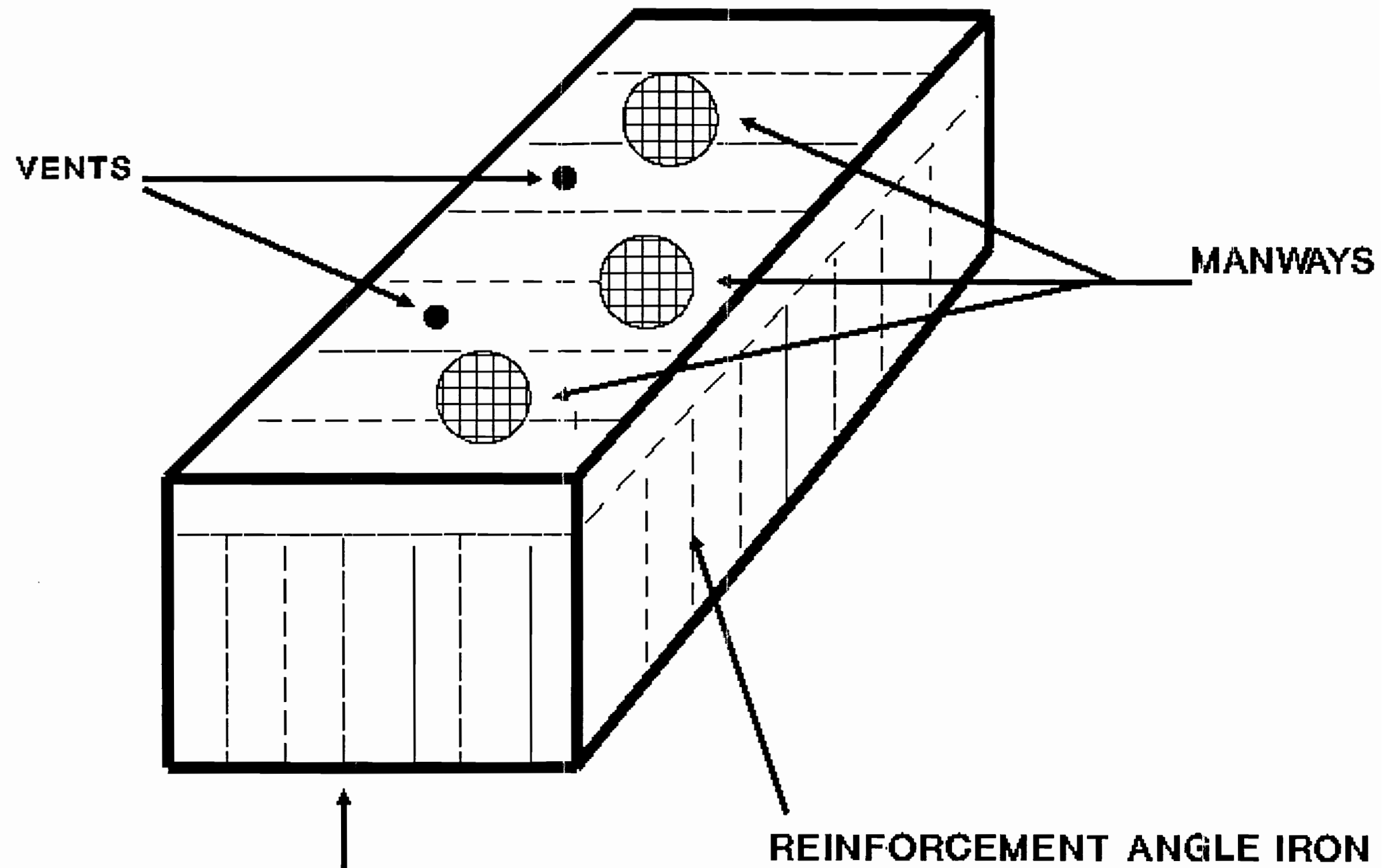
SITE PLAN/WELL LOCATIONS

MORGAN TERMINAL
200 MORGAN AVENUE
BROOKLYN, N.Y. 11237



TANK CHARD (TANKS 1-7)

200 MORGAN AVENUE



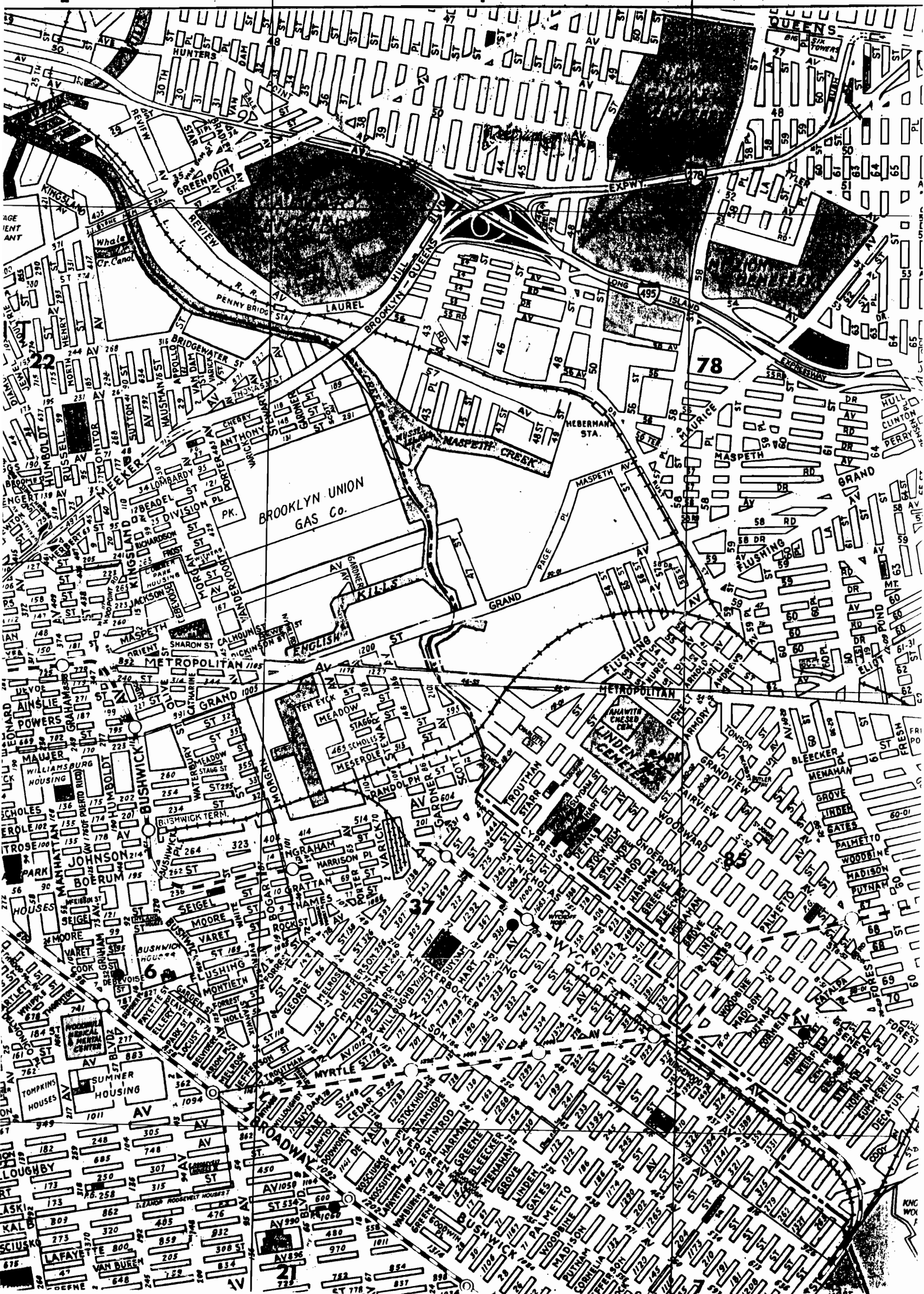
TYPICAL UNDERGROUND STORAGE TANK

NYSDEC - ESTIMATED AMOUNTS
200 MORGAN AVENUE

T A N K #	CAPACITY IN GALLONS	DIMENSIONS HEIGHT X WIDTH X LENGTH (FEET)	HEIGHT OF RESIDUAL LIQUID (FT) & VOLUME (GALLONS)	REMARKS ON THE LIQUID OBSERVED BY NYCFD 01/14/94
1	847,088	22' X 50' X 75'	1.0 FT - 28,425 GAL	#6 FUEL OIL/WASTE/SLUDGE
2	70,911	22' X 45' X 15'	1.0 FT. - 3,226 GAL	#2 FUEL OIL/WASTE/SLUDGE
3	54,957	22' X 45' X 10'	0.17 FT. - 418 GAL	SLUDGE
4	67,001	22' X 45' 15'	0.17 FT - 508 GAL	SLUDGE
5	507,840	22' X 45' X 75'	0.5 FT - 11,542 GAL	SLUDGE
6	416,122	18' X 70' X 42'	0.33 FT - 7,720 GAL	#2 FUEL/WATER
7	243,778	18' X 70' 25'	0.5 FT - 6,786 GAL	#2 FUEL/WATER
TOTAL	2,007,777 GAL		58,623 GAL	

***NOTE: AMOUNTS SHOWN ARE ESTIMATED (NOT ACTUAL)**

GEOGRAPHICAL AREA MAP



LABORATORY TEST RESULTS



Integrated Analytical Laboratories, Inc.

273 Franklin Road
Randolph, N.J. 07868

201 361-4252
Fax: 201 989-5288

Client: BFI/Winston Environmental
Project: 200 Morgan
Lab Case No: 10940-438
Date Report Prepared: April 15, 1994

Lab ID: 438-01
Client ID: Oil
Matrix: Oil

PARAMETER (Units)	RESULT	MDL
PCB's (ppb)	ND	1410

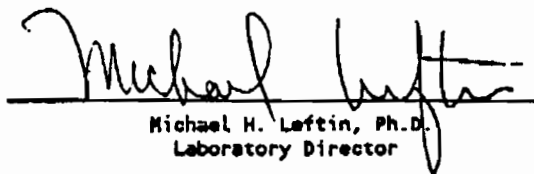
General Analytical (Units)

Cyanide, total (ppm)	ND	1.41
* Sulfide, total (ppm)	28.0	20.0
Phenols (ppm)	76.9	0.98
Flashpoint (°F)	> 140	±5°
* TOX (ppm)	180	20.0

* Subcontracted results from Raytheon Engineers & Constructors, Inc.

ND = Analyzed for but Not Detected at the reported MDL.

All NJDEPE protocol were followed during analyses.
These data have been reviewed and accepted by:


Michael H. Leftin, Ph.D.
Laboratory Director



Integrated Analytical Laboratories, Inc.

273 Franklin Road
Randolph, N.J. 07869

201 361-4252

Fax: 201 888-5288

Client: BFI/Winston Environmental

Project: 200 Morgan

Lab Case No: 10940-438

Date Report Prepared: April 15, 1994

Lab ID: 438-03
Client ID: Sludge Composite
Matrix: Sludge
TCLP Matrix: Aqueous Leachate

PARAMETER (Units)	RESULT	MDL
-------------------	--------	-----

TCLP Volatiles (ppb)

Vinyl chloride	ND	1
1,1-Dichloroethene	ND	1
2-Butanone	ND	100
Chloroform	ND	1
Carbon tetrachloride	ND	1
1,2-Dichloroethane	ND	1
Benzene	55.5	1
Trichloroethene	6.97	1
Tetrachloroethene	9.76	1
Chlorobenzene	ND	1
1,4-Dichlorobenzene	ND	1

PCB's (ppb)	ND	232
-------------	----	-----

TCLP Metals (ppm)

Arsenic	ND	0.02
Barium	ND	2.50
Cadmium	ND	0.10
Chromium	ND	0.30
Lead	0.58	0.20
Mercury	ND	0.0005
Selenium	ND	0.04
Silver	ND	0.20

General Analytical (Units)

Cyanide, reactive (ppm)	0.27J	0.55
Sulfide, reactive (ppm)	ND	42.2
pH (S.U.)	6.97	NA
Ignitability (Yes/No)	No	NA
Petroleum Hydrocarbons (ppm)	274000	660
Total Volatile Solids (%)	31.3	NA
Solids (%)	86.1	NA

ND = Analyzed for but Not Detected at the reported MDL.

All NJDEP protocol were followed during analyses.
These data have been reviewed and accepted by:

Michael H. Leftin, Ph.D.
Laboratory Director



Integrated Analytical Laboratories, Inc.

273 Franklin Road
Randolph, N.J. 07869

201 361-4252
Fax: 201 989-5288

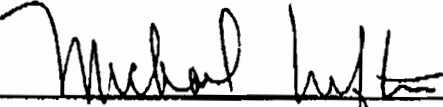
Client: BFI/Winston Environmental
Project: 200 Morgan
Lab Case No: 10940-438
Date Report Prepared: April 15, 1994

Lab ID: 438-02
Client ID: Water
Matrix: Aqueous

PARAMETER (Units)	RESULT	MDL
Volatiles (ppb)		
Chloromethane	ND	500
Bromomethane	ND	500
Vinyl chloride	ND	500
Chloroethane	ND	500
Methylene chloride	5958	500
Trichlorofluoromethane	ND	500
1,1-Dichloroethane	ND	500
1,1-Dichloroethane	ND	500
trans 1,2-Dichloroethane	ND	500
Chloroform	ND	500
1,2-Dichloroethane	ND	500
1,1,1-Trichloroethane	ND	500
Carbon tetrachloride	ND	500
Bromodichloromethane	ND	500
1,2-Dichloropropane	ND	500
cis-1,3-Dichloropropene	ND	500
2-Chloroethyl vinyl ether	ND	500
Trichloroethene	ND	500
Dibromochloromethane	ND	500
1,1,2-Trichloroethane	ND	500
Benzene	1050	500
trans-1,3-Dichloropropene	ND	500
Bromoform	ND	500
Tetrachloroethene	ND	500
1,1,2,2-Tetrachloroethane	ND	500
Toluene	13450	500
Chlorobenzene	ND	500
Ethylbenzene	8500	500
Total Xylenes	66600	500
1,2-Dichlorobenzene	ND	500
1,3-Dichlorobenzene	ND	500
1,4-Dichlorobenzene	ND	500
PCB's (ppb)		
	ND	15.0
Metals (ppm)		
Arsenic	0.10	0.02
Barium	3.60	2.50
Cadmium	ND	0.10
Chromium	0.30	0.30
Lead	10.3	0.20
Mercury	0.005	0.005
Selenium	ND	0.02
Silver	ND	0.20

ND = Analyzed for but Not Detected at the reported MDL.

All NJDEPE protocol were followed during analyses.
These data have been reviewed and accepted by:


Michael H. Leftin, Ph.D.
Laboratory Director

TEL No.

Jul 01, 94 16:47 P.02



PEDNEAULT ASSOCIATES, INC. TESTING LABORATORIES
 1615 NINTH AVENUE P.O. BOX 206 BOHEMIA, N.Y. 11716 (516) 467-8477
 AFTER 5 P.M. (516) 567-5579

TO: NYS DEC ~~III~~

RE 200 Morgan Ave

8-VOCs
8-Soils

Date: Collected 6/30/94 Analyzed 7/10/94 Report 97463

Sampling Point

1. ~~F-001~~ Tank #1
2. ~~F-002~~ Tank #2
3. Tank #3
4. Tank #4
5. Tank #5

Parameters	1	2	3	4	5
Bromodichloromethane <i>ug/kg</i>	<50.	<50.	<50.	<50.	
Bromoform					
Bromomethane					
Carbon Tetrachloride					
Chlorobenzene					
Chloroethane					
2-Chloroethylvinyl ether					
Chloroform					
Chloromethane					
Dibromochloromethane					
Dichlorodifluoromethane					
1,1-Dichloroethane					
1,2-Dichloroethane					
1,1-Dichloroethene					
trans-1,2-Dichloroethene					



PEDNEAULT ASSOCIATES, INC. TESTING LABORATORIES
 1815 NINTH AVENUE · P.O. BOX 205 · BOHEMIA, N.Y. 11716 (516) 467-8477
 AFTER 5 PM. (516) 567-5578

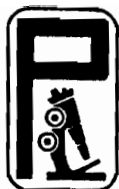
TO:

Date: Collected Analyzed Report 97463

Sampling Point:

1. 1 TANK #1
2. 2 TANK #2
3. 3 TANK #3
4. 4 TANK #4

Parameters	1	2	3	4	5
1,2-Dichloropropane <i>ug/kg</i>	<50.	<50.	<50.	<50.	
cis-1,3-Dichloropropene					
trans-1,3-Dichloropropene					
Methylene Chloride					
1,1,2,2-Tetrachloroethane					
Tetrachloroethene	750.		350.	500.	
1,1-Trichloroethane	<50.		<50.	<50.	
1,2-Trichloroethane	160.	330.			
Trichloroethene	<50.	<50.			
Trichlorofluoromethane					
vinyl Chloride					
2-Dichlorobenzene					
3-Dichlorobenzene					
4-Dichlorobenzene					



PEDNEAULT ASSOCIATES, INC. TESTING LABORATORIES

1615 NINTH AVENUE • P.O. BOX 205 • BOHEMIA, N.Y. 11716 • (516) 467-8477
FAX: (516) 467-6905 After 5pm: (516) 567-5579

NYS D.E.C. II

REGION 2

222-34 96TH AVENUE

QUEENS VILLAGE, NY 11429-0000

(718)776-6080

PROJECT ID: 200 MORGAN AVE, BROOKLYN, NY

LAB NUMBER: 97175 MATRIX: LIQUID SPILL #: 92-09135 PIN #: SP 92402
SAMPLE ORIGIN: FRONT VAC TRUCK

COLLECTION RECEIPT ANALYSIS REPORT
DATE: 6/20/94 DATE: 6/21/94 DATE: 6/21/94 DATE: 6/22/94

PURGEABLE HALOCARBONS EPA601

<u>PARAMETER</u>	<u>RESULTS</u>	<u>UNIT</u>
1,2-DICHLOROPROPANE	<10.0	ug/l
cis-1,3-DICHLOROPROPYLENE	<10.0	ug/l
trans-1,3-DICHLOROPROPYLENE	<10.0	ug/l
METHYLENE CHLORIDE	<10.0	ug/l
1,1,2,2-TETRACHLOROETHANE	<10.0	ug/l
TETRACHLOROETHENE	19346	ug/l
1,1,1-TRICHLOROETHANE	10468	ug/l
1,1,2-TRICHLOROETHANE	<10.0	ug/l
TRICHLOROETHYLENE	568	ug/l
TRICHLOROFLUOROMETHANE	2706	ug/l
VINYL CHLORIDE	<10.0	ug/l
1,2-DICHLOROBENZENE	<10.0	ug/l
1,3-DICHLOROBENZENE	<10.0	ug/l
1,4-DICHLOROBENZENE	<10.0	ug/l
BROMODICHLOROMETHANE	<10.0	ug/l
BROMFORM	<10.0	ug/l
BROMOCHLOROMETHANE	<10.0	ug/l
CARBON TETRACHLORIDE	<10.0	ug/l
CHLOROBENZENE	<10.0	ug/l
CHLOROETHANE	<10.0	ug/l
2-CHLOROETHYL VINYL ETHER	<10.0	ug/l
CHLOROFORM	<10.0	ug/l
DICHLOROMETHANE	<10.0	ug/l
DIBROMOCHLOROMETHANE	<10.0	ug/l
DICHLORODIFLUOROMETHANE	<10.0	ug/l
1,1-DICHLOROETHANE	<10.0	ug/l
1,2-DICHLOROETHANE	<10.0	ug/l
1,1-DICHLOROETHENE	<10.0	ug/l
trans-1,2-DICHLOROETHYLENE	<10.0	ug/l
METHYL BROMIDE	<10.0	ug/l

MARKS:

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LABORATORY DIRECTOR



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NYS D.E.C. II

REGION 2

222-34 96TH AVENUE

QUEENS VILLAGE, NY 11429-0000

(718)776-6080

PROJECT ID: 200 MORGAN AVE, BROOKLYN, NY

LAB NUMBER: 97175 **MATRIX:** LIQUID **SPILL #:** 92-09135 **PIN #:** SP 92402
PLE ORIGIN: REAR VAC TRUCK

COLLECTION **RECEIPT** **ANALYSIS** **REPORT**
DATE: 6/20/94 **DATE:** 6/21/94 **DATE:** 6/21/94 **DATE:** 6/22/94

PURGEABLE HALOCARBONS EPA601

<u>PARAMETER</u>	<u>RESULTS</u>	<u>UNIT</u>
1,2-DICHLOROPROPANE	<10.0	ug/l
cis-1,3-DICHLOROPROPYLENE	<10.0	ug/l
trans-1,3-DICHLOROPROPYLENE	<10.0	ug/l
METHYLENE CHLORIDE	<10.0	ug/l
1,1,2,2-TETRACHLOROETHANE	<10.0	ug/l
TETRACHLOROETHENE	2024	ug/l
1,1,1-TRICHLOROETHANE	9154	ug/l
1,1,2-TRICHLOROETHANE	<10.0	ug/l
TRICHLOROETHYLENE	<10.0	ug/l
TRICHLOROFLUOROMETHANE	412	ug/l
VINYL CHLORIDE	<10.0	ug/l
1,2-DICHLOROBENZENE	<10.0	ug/l
1,3-DICHLOROBENZENE	<10.0	ug/l
1,4-DICHLOROBENZENE	<10.0	ug/l
BROMODICHLOROMETHANE	<10.0	ug/l
BROMFORM	<10.0	ug/l
BROMOCHLOROMETHANE	<10.0	ug/l
CARBON TETRACHLORIDE	<10.0	ug/l
CHLOROBENZENE	<10.0	ug/l
CHLOROETHANE	<10.0	ug/l
2-CHLOROETHYL VINYL ETHER	<10.0	ug/l
CHLOROFORM	<10.0	ug/l
DICHLOROMETHANE	<10.0	ug/l
DIBROMOCHLOROMETHANE	<10.0	ug/l
DICHLORODIFLUOROMETHANE	<10.0	ug/l
1,1-DICHLOROETHANE	<10.0	ug/l
1,2-DICHLOROETHANE	<10.0	ug/l
1,1-DICHLOROETHENE	<10.0	ug/l
trans-1,2-DICHLOROETHYLENE	<10.0	ug/l
METHYL BROMIDE	<10.0	ug/l

MARKS:

175 -2

PAGE: 1

JOHN PEDNEAULT
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222-34 96TH AVENUE

QUEENS VILLAGE, NY 11429-0000

(718)776-6080

PROJECT ID: 200 MORGAN AVE, BROOKLYN, NY

LAB NUMBER: 97175 MATRIX: LIQUID SPILL #: 92-09135 PIN #: SP 92402
SAMPLE ORIGIN: TANK # 5

COLLECTION DATE: 6/20/94 RECEIPT DATE: 6/21/94 ANALYSIS DATE: 6/21/94 REPORT DATE: 6/22/94

PURGEABLE HALOCARBONS EPA601

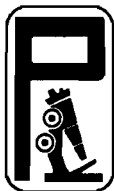
PARAMETER	RESULTS	UNIT
1,2-DICHLOROPROPANE	<10.0	ug/l
cis-1,3-DICHLOROPROPYLENE	<10.0	ug/l
trans-1,3-DICHLOROPROPYLENE	<10.0	ug/l
METHYLENE CHLORIDE	<10.0	ug/l
1,1,2,2-TETRACHLOROETHANE	<10.0	ug/l
TETRACHLOROETHENE	85575	ug/l
1,1,1-TRICHLOROETHANE	210020	ug/l
1,1,2-TRICHLOROETHANE	<10.0	ug/l
TRICHLOROETHYLENE	7845	ug/l
TRICHLOROFLUOROMETHANE	10065	ug/l
VINYL CHLORIDE	<10.0	ug/l
1,2-DICHLOROBENZENE	<10.0	ug/l
1,3-DICHLOROBENZENE	<10.0	ug/l
1,4-DICHLOROBENZENE	<10.0	ug/l
BROMODICHLOROMETHANE	<10.0	ug/l
BROMFORM	<10.0	ug/l
BROMOCHLOROMETHANE	<10.0	ug/l
CARBON TETRACHLORIDE	<10.0	ug/l
CHLOROBENZENE	<10.0	ug/l
CHLOROETHANE	<10.0	ug/l
2-CHLOROETHYL VINYL ETHER	<10.0	ug/l
CHLOROFORM	<10.0	ug/l
DICHLOROMETHANE	<10.0	ug/l
DIBROMOCHLOROMETHANE	<10.0	ug/l
DICHLORODIFLUOROMETHANE	<10.0	ug/l
1,1-DICHLOROETHANE	<10.0	ug/l
1,2-DICHLOROETHANE	<10.0	ug/l
1,1-DICHLOROETHENE	<10.0	ug/l
trans-1,2-DICHLOROETHYLENE	<10.0	ug/l
METHYL BROMIDE	<10.0	ug/l

MARKS:

7175 -3

PAGE: 1

JOHN PEDNEAULT
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REGION 2

222-34 96TH AVENUE

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PROJECT ID: 200 MORGAN AVE, BROOKLYN, NY

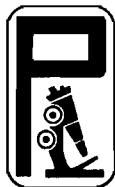
LAB NUMBER: 97463	MATRIX: SOLID	SPILL #: 92-09135	PIN #: SP92402
SAMPLE ORIGIN: TANK # 1			
COLLECTION	RECEIPT	ANALYSIS	REPORT
DATE: 6/28/94	DATE: 6/30/94	DATE: 7/05/94	DATE: 7/05/95

HALOGENATED VOLATILE ORGANICS EPA8010

<u>PARAMETER</u>	<u>RESULTS</u>	<u>UNIT</u>
1,2-DICHLOROPROPANE	<50.0	ug/kg
cis-1,3-DICHLOROPROPENE	<50.0	ug/kg
trans-1,3-DICHLOROPROPENE	<50.0	ug/kg
METHYLENE CHLORIDE	<50.0	ug/kg
1,1,2,2-TETRACHLOROETHANE	<50.0	ug/kg
TETRACHLOROETHENE	750	ug/kg
1,1,1-TRICHLOROETHANE	<50.0	ug/kg
1,1,2-TRICHLOROETHANE	160	ug/kg
TRICHLOROETHENE	<50.0	ug/kg
TRICHLOROFLUORMETHANE	<50.0	ug/kg
VINYL CHLORIDE	<50.0	ug/kg
1,2-DICHLOROBENZENE	<50.0	ug/kg
1,3-DICHLOROBENZENE	<50.0	ug/kg
1,4-DICHLOROBENZENE	<50.0	ug/kg
BROMODICHLOROMETHANE	<50.0	ug/kg
BROMOFORM	<50.0	ug/kg
BROMOMETHANE	<50.0	ug/kg
CARBON TETRACHLORIDE	<50.0	ug/kg
CHLOROBENZENE	<50.0	ug/kg
CHLOROETHANE	<50.0	ug/kg
2-CHLOROETHYL VINYL ETHER	<50.0	ug/kg
CHLOROFORM	<50.0	ug/kg
CHLOROMETHANE	<50.0	ug/kg
DIBROMOCHLOROMETHANE	<50.0	ug/kg
DICHLORODIFLUOROMETHANE	<50.0	ug/kg
1,1-DICHLOROETHANE	<50.0	ug/kg
1,2-DICHLOROETHANE	<50.0	ug/kg
1,1-DICHLOROETHENE	<50.0	ug/kg
trans-1,2-DICHLOROETHENE	<50.0	ug/kg
METHYL BROMIDE	<50.0	ug/kg

REMARKS:

97463 -1



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REGION 2

222-34 96TH AVENUE

QUEENS VILLAGE, NY 11429-0000

(718)776-6080

PROJECT ID: 200 MORGAN AVE, BROOKLYN, NY

LAB NUMBER: 97463	MATRIX: SOLID	SPILL #: 92-09135	PIN #: SP92402
SAMPLE ORIGIN: TANK # 2			
COLLECTION	RECEIPT	ANALYSIS	REPORT
DATE: 6/28/94	DATE: 6/30/94	DATE: 7/05/94	DATE: 7/05/95

**HALOGENATED VOLATILE ORGANICS
EPA8010**

<u>PARAMETER</u>	<u>RESULTS</u>	<u>UNIT</u>
1,2-DICHLOROPROPANE	<50.0	ug/kg
cis-1,3-DICHLOROPROPENE	<50.0	ug/kg
trans-1,3-DICHLOROPROPENE	<50.0	ug/kg
METHYLENE CHLORIDE	<50.0	ug/kg
1,1,2,2-TETRACHLOROETHANE	<50.0	ug/kg
TETRACHLOROETHENE	<50.0	ug/kg
1,1,1-TRICHLOROETHANE	<50.0	ug/kg
1,1,2-TRICHLOROETHANE	330	ug/kg
TRICHLOROETHENE	<50.0	ug/kg
TRICHLOROFLUORMETHANE	<50.0	ug/kg
VINYL CHLORIDE	<50.0	ug/kg
1,2-DICHLOROBENZENE	<50.0	ug/kg
1,3-DICHLOROBENZENE	<50.0	ug/kg
1,4-DICHLOROBENZENE	<50.0	ug/kg
BROMODICHLOROMETHANE	<50.0	ug/kg
BROMOFORM	<50.0	ug/kg
BROMOMETHANE	<50.0	ug/kg
CARBON TETRACHLORIDE	<50.0	ug/kg
CHLOROBENZENE	<50.0	ug/kg
CHLOROETHANE	<50.0	ug/kg
2-CHLOROETHYL VINYL ETHER	<50.0	ug/kg
CHLOROFORM	<50.0	ug/kg
CHLOROMETHANE	<50.0	ug/kg
DIBROMOCHLOROMETHANE	<50.0	ug/kg
DICHLORODIFLUOROMETHANE	<50.0	ug/kg
1,1-DICHLOROETHANE	<50.0	ug/kg
1,2-DICHLOROETHANE	<50.0	ug/kg
1,1-DICHLOROETHENE	<50.0	ug/kg
trans-1,2-DICHLOROETHENE	<50.0	ug/kg
METHYL BROMIDE	<50.0	ug/kg

REMARKS:

97463 -2



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PROJECT ID: 200 MORGAN AVE, BROOKLYN, NY

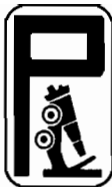
LAB NUMBER: 97463	MATRIX: SOLID	SPILL #: 92-09135	PIN #: SP92402
SAMPLE ORIGIN: TANK # 3			
COLLECTION	RECEIPT	ANALYSIS	REPORT
DATE: 6/28/94	DATE: 6/30/94	DATE: 7/05/94	DATE: 7/05/95

HALOGENATED VOLATILE ORGANICS EPA8010

<u>PARAMETER</u>	<u>RESULTS</u>	<u>UNIT</u>
1,2-DICHLOROPROPANE	<50.0	ug/kg
cis-1,3-DICHLOROPROPENE	<50.0	ug/kg
trans-1,3-DICHLOROPROPENE	<50.0	ug/kg
METHYLENE CHLORIDE	<50.0	ug/kg
1,1,2,2-TETRACHLOROETHANE	<50.0	ug/kg
TETRACHLOROETHENE	350	ug/kg
1,1,1-TRICHLOROETHANE	<50.0	ug/kg
1,1,2-TRICHLOROETHANE	<50.0	ug/kg
TRICHLOROETHENE	<50.0	ug/kg
TRICHLOROFLUORMETHANE	<50.0	ug/kg
VINYL CHLORIDE	<50.0	ug/kg
1,2-DICHLOROBENZENE	<50.0	ug/kg
1,3-DICHLOROBENZENE	<50.0	ug/kg
1,4-DICHLOROBENZENE	<50.0	ug/kg
BROMODICHLOROMETHANE	<50.0	ug/kg
BROMOFORM	<50.0	ug/kg
BROMOMETHANE	<50.0	ug/kg
CARBON TETRACHLORIDE	<50.0	ug/kg
CHLOROBENZENE	<50.0	ug/kg
CHLOROETHANE	<50.0	ug/kg
2-CHLOROETHYL VINYL ETHER	<50.0	ug/kg
CHLOROFORM	<50.0	ug/kg
CHLOROMETHANE	<50.0	ug/kg
DIBROMOCHLOROMETHANE	<50.0	ug/kg
DICHLORODIFLUOROMETHANE	<50.0	ug/kg
1,1-DICHLOROETHANE	<50.0	ug/kg
1,2-DICHLOROETHANE	<50.0	ug/kg
1,1-DICHLOROETHENE	<50.0	ug/kg
trans-1,2-DICHLOROETHENE	<50.0	ug/kg
METHYL BROMIDE	<50.0	ug/kg

REMARKS:

97463 -3



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REGION 2
222-34 96TH AVENUE
QUEENS VILLAGE, NY 11429-0000 (718)776-6080

PROJECT ID: 200 MORGAN AVE, BROOKLYN, NY

LAB NUMBER: 97463	MATRIX: SOLID	SPILL #: 92-09135	PIN #: SP92402
SAMPLE ORIGIN: TANK # 4			
COLLECTION	RECEIPT	ANALYSIS	REPORT
DATE: 6/28/94	DATE: 6/30/94	DATE: 7/05/94	DATE: 7/05/95

HALOGENATED VOLATILE ORGANICS EPA8010

<u>PARAMETER</u>	<u>RESULTS</u>	<u>UNIT</u>
1,2-DICHLOROPROPANE	<50.0	ug/kg
cis-1,3-DICHLOROPROPENE	<50.0	ug/kg
trans-1,3-DICHLOROPROPENE	<50.0	ug/kg
METHYLENE CHLORIDE	<50.0	ug/kg
1,1,2,2-TETRACHLOROETHANE	<50.0	ug/kg
TETRACHLOROETHENE	500	ug/kg
1,1,1-TRICHLOROETHANE	<50.0	ug/kg
1,1,2-TRICHLOROETHANE	<50.0	ug/kg
TRICHLOROETHENE	<50.0	ug/kg
TRICHLOROFLUORMETHANE	<50.0	ug/kg
VINYL CHLORIDE	<50.0	ug/kg
1,2-DICHLOROBENZENE	<50.0	ug/kg
1,3-DICHLOROBENZENE	<50.0	ug/kg
1,4-DICHLOROBENZENE	<50.0	ug/kg
BROMODICHLOROMETHANE	<50.0	ug/kg
BROMOFORM	<50.0	ug/kg
BROMOMETHANE	<50.0	ug/kg
CARBON TETRACHLORIDE	<50.0	ug/kg
CHLOROBENZENE	<50.0	ug/kg
CHLOROETHANE	<50.0	ug/kg
2-CHLOROETHYL VINYL ETHER	<50.0	ug/kg
CHLOROFORM	<50.0	ug/kg
CHLOROMETHANE	<50.0	ug/kg
DIBROMOCHLOROMETHANE	<50.0	ug/kg
DICHLORODIFLUOROMETHANE	<50.0	ug/kg
1,1-DICHLOROETHANE	<50.0	ug/kg
1,2-DICHLOROETHANE	<50.0	ug/kg
1,1-DICHLOROETHENE	<50.0	ug/kg
trans-1,2-DICHLOROETHENE	<50.0	ug/kg
METHYL BROMIDE	<50.0	ug/kg

REMARKS:

97463 -4



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REGION 2

222-34 96TH AVENUE

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PROJECT ID: 200 MORGAN AVENUE, BROOKLYN, NY

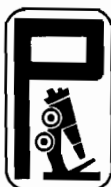
LAB NUMBER: 97463A	MATRIX: LIQUID	SPILL #: 92-09135	
SAMPLE ORIGIN: TANK #1			
COLLECTION	RECEIPT	ANALYSIS	REPORT
DATE: 6/28/94	DATE: 7/05/94	DATE: 7/18/94	DATE: 7/18/94

<u>PARAMETER</u>	<u>RESULTS</u>	<u>UNIT</u>	<u>METHOD</u>
TOXICITY CHARACTERISTIC LEACHING PROCEDURE-METALS			
ARSENIC	<0.300	mg/l	206.2
BARIUM	0.48	mg/l	208.2
CADMIUM	<0.001	mg/l	213.2
CHROMIUM	<0.020	mg/l	218.2
LEAD	0.13	mg/l	239.2
MERCURY	<0.0005	mg/l	245.1
SELENIUM	<0.250	mg/l	270.2
SILVER	<0.005	mg/l	272.2

REMARKS: CC: WINSTON CONTRACTING
97463A -1

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JOHN PEDNEAULT
LABORATORY DIRECTOR



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NYS D.E.C. II

REGION 2

222-34 96TH AVENUE

QUEENS VILLAGE, NY 11429-0000

(718) 776-6080

PROJECT ID: 200 MORGAN AVENUE, BROOKLYN, NY

LAB NUMBER: 97463A	MATRIX: LIQUID	SPILL #: 92-09135	
SAMPLE ORIGIN: TANK #2			
COLLECTION	RECEIPT	ANALYSIS	REPORT
DATE: 6/28/94	DATE: 7/05/94	DATE: 7/18/94	DATE: 7/18/94

<u>PARAMETER</u>	<u>RESULTS</u>	<u>UNIT</u>	<u>METHOD</u>
TOXICITY CHARACTERISTIC LEACHING PROCEDURE-METALS			
ARSENIC	<0.300	mg/l	206.2
BARIUM	0.63	mg/l	208.2
CADMIUM	<0.001	mg/l	213.2
CHROMIUM	<0.020	mg/l	218.2
LEAD	0.05	mg/l	239.2
MERCURY	<0.0005	mg/l	245.1
SELENIUM	<0.250	mg/l	270.2
SILVER	<0.005	mg/l	272.2

REMARKS: CC: WINSTON CONTRACTING
97463A -2

PAGE: 1

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PROJECT ID: 200 MORGAN AVENUE, BROOKLYN, NY

LAB NUMBER: 97463A	MATRIX: LIQUID	SPILL #: 92-09135	
SAMPLE ORIGIN: TANK #3			
COLLECTION	RECEIPT	ANALYSIS	REPORT
DATE: 6/28/94	DATE: 7/05/94	DATE: 7/18/94	DATE: 7/18/94

<u>PARAMETER</u>	<u>RESULTS</u>	<u>UNIT</u>	<u>METHOD</u>
TOXICITY CHARACTERISTIC LEACHING PROCEDURE-METALS			
ARSENIC	<0.300	mg/l	206.2
BARIUM	0.13	mg/l	208.2
CADMIUM	<0.001	mg/l	213.2
CHROMIUM	<0.020	mg/l	218.2
LEAD	<0.005	mg/l	239.2
MERCURY	<0.0005	mg/l	245.1
SELENIUM	<0.250	mg/l	270.2
SILVER	<0.005	mg/l	272.2

REMARKS: CC: WINSTON CONTRACTING

97463A -3



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222-34 96TH AVENUE
QUEENS VILLAGE, NY 11429-0000 (718) 776-6080

PROJECT ID: 200 MORGAN AVENUE, BROOKLYN, NY

LAB NUMBER: 97463A	MATRIX: LIQUID	SPILL #: 92-09135	
SAMPLE ORIGIN: TANK #4			
COLLECTION	RECEIPT	ANALYSIS	REPORT
DATE: 6/28/94	DATE: 7/05/94	DATE: 7/18/94	DATE: 7/18/94

<u>PARAMETER</u>	<u>RESULTS</u>	<u>UNIT</u>	<u>METHOD</u>
TOXICITY CHARACTERISTIC LEACHING PROCEDURE-METALS			
ARSENIC	<0.300	mg/l	206.2
BARIUM	0.14	mg/l	208.2
CADMIUM	<0.001	mg/l	213.2
CHROMIUM	<0.020	mg/l	218.2
LEAD	<0.005	mg/l	239.2
MERCURY	<0.0005	mg/l	245.1
SELENIUM	<0.250	mg/l	270.2
SILVER	<0.005	mg/l	272.2

REMARKS: CC: WINSTON CONTRACTING
97463A -4



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NYS D.E.C. II

REGION 2

222-34 96TH AVENUE

QUEENS VILLAGE, NY 11429-0000 (718) 776-6080

PROJECT ID: 200 MORGAN AVENUE, BROOKLYN, NY

LAB NUMBER: 97463A	MATRIX: LIQUID	SPILL #: 92-09135	
SAMPLE ORIGIN: TANK #5			
COLLECTION	RECEIPT	ANALYSIS	REPORT
DATE: 6/28/94	DATE: 7/05/94	DATE: 7/18/94	DATE: 7/18/94

<u>PARAMETER</u>	<u>RESULTS</u>	<u>UNIT</u>	<u>METHOD</u>
TOXICITY CHARACTERISTIC LEACHING PROCEDURE-METALS			
ARSENIC	<0.300	mg/l	206.2
BARIUM	0.41	mg/l	208.2
CADMIUM	<0.001	mg/l	213.2
CHROMIUM	<0.020	mg/l	218.2
LEAD	0.16	mg/l	239.2
MERCURY	<0.0005	mg/l	245.1
SELENIUM	<0.250	mg/l	270.2
SILVER	<0.005	mg/l	272.2

REMARKS: CC: WINSTON CONTRACTING
97463A -5

PAGE: 1

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REGION 2
222-34 96TH AVENUE
QUEENS VILLAGE, NY 11429-0000 (718)776-6080

PROJECT ID: 200 MORGAN AVENUE, BROOKLYN, NY

LAB NUMBER: 97463A	MATRIX: LIQUID	SPILL #: 92-09135	
SAMPLE ORIGIN: TANK #1			
COLLECTION	RECEIPT	ANALYSIS	REPORT
DATE: 6/28/94	DATE: 7/05/94	DATE: 7/18/94	DATE: 7/18/94

PCBS
PCBS

<u>PARAMETER</u>	<u>RESULTS</u>	<u>UNIT</u>
1016	<0.2	ug/kg
1221	<0.2	ug/kg
1232	<0.2	ug/kg
1242	<0.2	ug/kg
1248	<0.2	ug/kg
1254	<0.2	ug/kg
1260	<0.2	ug/kg

REMARKS: CC: WINSTON CONTRACTING
97463A -1



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222-34 96TH AVENUE

QUEENS VILLAGE, NY 11429-0000

(718)776-6080

PROJECT ID: 200 MORGAN AVENUE, BROOKLYN, NY

LAB NUMBER: 97463A	MATRIX: LIQUID	SPILL #: 92-09135	
SAMPLE ORIGIN: TANK #2			
COLLECTION	RECEIPT	ANALYSIS	REPORT
DATE: 6/28/94	DATE: 7/05/94	DATE: 7/18/94	DATE: 7/18/94

PCBS
PCBS

<u>PARAMETER</u>	<u>RESULTS</u>	<u>UNIT</u>
1016	<0.2	ug/kg
1221	<0.2	ug/kg
1232	<0.2	ug/kg
1242	<0.2	ug/kg
1248	<0.2	ug/kg
1254	<0.2	ug/kg
1260	<0.2	ug/kg

REMARKS: CC: WINSTON CONTRACTING
97463A -2



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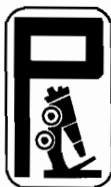
PROJECT ID: 200 MORGAN AVENUE, BROOKLYN, NY

LAB NUMBER: 97463A	MATRIX: LIQUID	SPILL #: 92-09135	
SAMPLE ORIGIN: TANK #3			
COLLECTION	RECEIPT	ANALYSIS	REPORT
DATE: 6/28/94	DATE: 7/05/94	DATE: 7/18/94	DATE: 7/18/94

PCBS
PCBS

<u>PARAMETER</u>	<u>RESULTS</u>	<u>UNIT</u>
1016	<0.2	ug/kg
1221	<0.2	ug/kg
1232	<0.2	ug/kg
1242	<0.2	ug/kg
1248	<0.2	ug/kg
1254	<0.2	ug/kg
1260	<0.2	ug/kg

REMARKS: CC: WINSTON CONTRACTING
97463A -3



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PROJECT ID: 200 MORGAN AVENUE, BROOKLYN, NY

LAB NUMBER: 97463A	MATRIX: LIQUID	SPILL #: 92-09135	
SAMPLE ORIGIN: TANK #4			
COLLECTION	RECEIPT	ANALYSIS	REPORT
DATE: 6/28/94	DATE: 7/05/94	DATE: 7/18/94	DATE: 7/18/94

PCBS
PCBS

<u>PARAMETER</u>	<u>RESULTS</u>	<u>UNIT</u>
1016	<0.2	ug/kg
1221	<0.2	ug/kg
1232	<0.2	ug/kg
1242	<0.2	ug/kg
1248	<0.2	ug/kg
1254	<0.2	ug/kg
1260	<0.2	ug/kg

REMARKS: CC: WINSTON CONTRACTING
97463A -4



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PROJECT ID: 200 MORGAN AVENUE, BROOKLYN, NY

LAB NUMBER: 97463A	MATRIX: LIQUID	SPILL #: 92-09135	
SAMPLE ORIGIN: TANK #5			
COLLECTION	RECEIPT	ANALYSIS	REPORT
DATE: 6/28/94	DATE: 7/05/94	DATE: 7/18/94	DATE: 7/18/94

PCBS
PCBS

<u>PARAMETER</u>	<u>RESULTS</u>	<u>UNIT</u>
1016	<0.2	ug/kg
1221	<0.2	ug/kg
1232	<0.2	ug/kg
1242	<0.2	ug/kg
1248	<0.2	ug/kg
1254	1.1	ug/kg
1260	<0.2	ug/kg

REMARKS: CC: WINSTON CONTRACTING
97463A -5



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PROJECT ID: 200 MORGAN AVE, BROOKLYN, NY

LAB NUMBER: 100021	MATRIX: SOLID	SPILL #: 92-09135	PIN #: SP92402
SAMPLE ORIGIN: TANK # 1 CONTAINER # 1			
COLLECTION	RECEIPT	ANALYSIS	REPORT
DATE: / /	DATE: 10/07/94	DATE: 10/10/94	DATE: 10/10/94

PARAMETER

RESULTS

UNIT

METHOD

TCLPLEAD

TCLP LEAD

<0.005

mg/l

REMARKS: CC: WINSTON CONTRACTING
100021 -1

PAGE: 1

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PROJECT ID: 200 MORGAN AVE., BROOKLYN, NY

LAB NUMBER: 100377	MATRIX: SOLID	SPILL #: 92-09135	PIN #: SP92402
SAMPLE ORIGIN: TANK # 1	CONTAINER # 3		
COLLECTION	RECEIPT	ANALYSIS	REPORT
DATE: 10/20/94	DATE: 10/21/94	DATE: 10/24/94	DATE: 10/24/94

PARAMETER

RESULTS

UNIT

METHOD

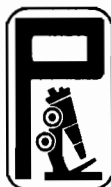
TCLPLEAD

TCLP LEAD

0.18

mg/l

REMARKS: CC: WINSTON CONTRACTING
100377 -1



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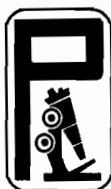
(718) 776-6080

PROJECT ID: 200 MORGAN AVE., BROOKLYN, NY

LAB NUMBER: 100377	MATRIX: SOLID	SPILL #: 92-09135	PIN #: SP92402
SAMPLE ORIGIN: TANK #1	CONTAINER # 4		
COLLECTION	RECEIPT	ANALYSIS	REPORT
DATE: 10/20/94	DATE: 10/21/94	DATE: 10/24/94	DATE: 10/24/94

<u>PARAMETER</u>	<u>RESULTS</u>	<u>UNIT</u>	<u>METHOD</u>
TCLPLEAD			
TCLP LEAD	0.15	mg/l	

REMARKS: CC: WINSTON CONTRACTING
100377 -2



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PROJECT ID: 200 MORGAN AVE, BROOKLYN, NY

LAB NUMBER: 100508 **MATRIX:** SOLID

SAMPLE ORIGIN: TANK # 1 CONTAINER # 5

COLLECTION

RECEIPT

ANALYSIS

REPORT

DATE: 10/25/94

DATE: 10/27/94

DATE: 10/28/94

DATE: 10/28/94

PARAMETER

RESULTS

UNIT

METHOD

TCLPLEAD

TCLP LEAD

0.18

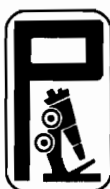
mg/l

REMARKS: CC: WINSTON CONTRACTING

100508 -1

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PROJECT ID: 200 MORGAN AVE, BROOKLYN, NY

LAB NUMBER: 100509	MATRIX: SOLID	SPILL #: 92-09135	PIN #: SP92402
SAMPLE ORIGIN: TANK # 1 CONTAINER # 6			
COLLECTION	RECEIPT	ANALYSIS	REPORT
DATE: 10/26/94	DATE: 10/27/94	DATE: 10/28/94	DATE: 10/28/94

<u>PARAMETER</u>	<u>RESULTS</u>	<u>UNIT</u>	<u>METHOD</u>
TCLPLEAD			
TCLP LEAD	0.19	mg/l	

REMARKS: CC: WINSTON CONTRACTING
100509 -1



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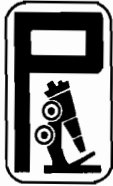
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PROJECT ID: 200 MORGAN AVE, BROOKLYN, NY

LAB NUMBER: 100613	MATRIX: LIQUID	SPILL #: 92-09135	PIN #: SP92402
SAMPLE ORIGIN: TANK # 1 CONTAINER 7			
COLLECTION	RECEIPT	ANALYSIS	REPORT
DATE: 10/31/94	DATE: 11/01/94	DATE: 11/03/94	DATE: 11/03/94

<u>PARAMETER</u>	<u>RESULTS</u>	<u>UNIT</u>	<u>METHOD</u>
TCLPLEAD			
TCLP LEAD	0.14	mg/l	

REMARKS: CC: WINSTON CONTRACTING
100613 -1



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PROJECT ID: 200 MORGAN AVE, BROOKLYN, NY

LAB NUMBER: 100613	MATRIX: LIQUID	SPILL #: 92-09135	PIN #: SP92402
SAMPLE ORIGIN: TANK #1	CONTAINER 8		
COLLECTION	RECEIPT	ANALYSIS	REPORT
DATE: 10/31/94	DATE: 11/01/94	DATE: 11/03/94	DATE: 11/03/94

<u>PARAMETER</u>	<u>RESULTS</u>	<u>UNIT</u>	<u>METHOD</u>
TCLPLEAD			
TCLP LEAD	0.10	mg/l	

REMARKS: CC: WINSTON CONTRACTING
100613 -2



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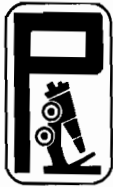
PROJECT ID: 200 MORGAN AVE., BROOKLYN, NY

LAB NUMBER: 100668	MATRIX: SOLID	SPILL #: 92-09135	
SAMPLE ORIGIN: TANK #1 - CONTAINER #9			
COLLECTION	RECEIPT	ANALYSIS	REPORT
DATE: 11/02/94	DATE: 11/03/94	DATE: 11/10/94	DATE: 11/10/94

<u>PARAMETER</u>	<u>RESULTS</u>	<u>UNIT</u>	<u>METHOD</u>
TCLPLEAD			
TCLP LEAD	0.14	mg/l	

REMARKS:

100668 -1



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PROJECT ID: 200 MORGAN AVE., BROOKLYN, NY

LAB NUMBER: 100778	MATRIX: SOLID	SPILL #: 92-09135	
SAMPLE ORIGIN: TANK # 1 CONTAINER 10			
COLLECTION	RECEIPT	ANALYSIS	REPORT
DATE: 11/07/94	DATE: 11/08/94	DATE: 11/11/94	DATE: 11/11/94

<u>PARAMETER</u>	<u>RESULTS</u>	<u>UNIT</u>	<u>METHOD</u>
TCLPLEAD			
TCLP LEAD	0.20	mg/l	

REMARKS: CC:WINSTON CONTRACTING
100778 -1



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PROJECT ID: 200 MORGAN AVENUE BROOKLYN, NY

LAB NUMBER: 101133	MATRIX: SOLID	SPILL #: 92-09135	PIN #: SP92402
SAMPLE ORIGIN: TANK #3			
COLLECTION	RECEIPT	ANALYSIS	REPORT
DATE: 11/22/94	DATE: 11/23/94	DATE: 12/05/94	DATE: 12/05/94

TOXICITY CHARACTERISTIC LEACHING PROC-VOLATILES
TCLPVOL

<u>PARAMETER</u>	<u>RESULTS</u>	<u>UNIT</u>
BENZENE	0.15	mg/l
CARBON TETRACHLORIDE	<0.01	mg/l
CHLOROBENZENE	<0.01	mg/l
CHLOROFORM	<0.01	mg/l
1,2-DICHLOROETHANE	<0.01	mg/l
1,1-DICHLOROETHYLENE	<0.01	mg/l
METHYL ETHYL KETONE	<0.01	mg/l
TETRACHLOROETHYLENE	<0.01	mg/l
TRICHLOROETHYLENE	<0.01	mg/l
VINYL CHLORIDE	<0.01	mg/l

REMARKS: CC: WINSTON CONTRACTING
101133 -2

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PROJECT ID: 200 MORGAN AVENUE BROOKLYN, NY

LAB NUMBER: 101133	MATRIX: SOLID	SPILL #: 92-09135	PIN #: SP92402
SAMPLE ORIGIN: TANK #4			
COLLECTION	RECEIPT	ANALYSIS	REPORT
DATE: 11/22/94	DATE: 11/23/94	DATE: 12/05/94	DATE: 12/05/94

TOXICITY CHARACTERISTIC LEACHING PROC-VOLATILES
TCLPVOL

<u>PARAMETER</u>	<u>RESULTS</u>	<u>UNIT</u>
BENZENE	0.14	mg/l
CARBON TETRACHLORIDE	<0.01	mg/l
CHLOROBENZENE	<0.01	mg/l
CHLOROFORM	<0.01	mg/l
1,2-DICHLOROETHANE	<0.01	mg/l
1,1-DICHLOROETHYLENE	<0.01	mg/l
METHYL ETHYL KETONE	0.08	mg/l
TETRACHLOROETHYLENE	<0.01	mg/l
TRICHLOROETHYLENE	<0.01	mg/l
VINYL CHLORIDE	<0.01	mg/l

REMARKS: CC: WINSTON CONTRACTING
101133 -3

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222-34 96TH AVENUE
QUEENS VILLAGE, NY 11429-0000 (718)776-6080

PROJECT ID: 200 MORGAN AVENUE BROOKLYN, NY

LAB NUMBER: 101133	MATRIX: SOLID	SPILL #: 92-09135	PIN #: SP92402
SAMPLE ORIGIN: TANK #3			
COLLECTION	RECEIPT	ANALYSIS	REPORT
DATE: 11/22/94	DATE: 11/23/94	DATE: 12/05/94	DATE: 12/05/94

**TOXICITY CHAR LEACHING PROC-SEMI VOLATILES
TCLPSEMI**

<u>PARAMETER</u>	<u>RESULTS</u>	<u>UNIT</u>
TOTAL CRESOL	0.50	mg/l
1,4-DICHLOROBENZENE	<0.01	mg/l
2,4-DINITROTOLUENE	<0.01	mg/l
HEXACHLOROBENZENE	<0.01	mg/l
HEXACHLORO-1,3-BUTADIENE	<0.01	mg/l
HEXACHLOROETHANE	<0.01	mg/l
NITROBENZENE	<0.05	mg/l
PENTACHLOROPHENOL	<0.05	mg/l
PYRIDINE	<0.01	mg/l
2,4,5-TRICHLOROPHENOL	<0.01	mg/l
2,4,6-TRICHLOROPHENOL	<0.01	mg/l

REMARKS: CC: WINSTON CONTRACTING
101133 -2

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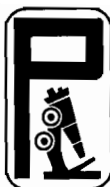
PROJECT ID: 200 MORGAN AVENUE BROOKLYN, NY

LAB NUMBER: 101133	MATRIX: SOLID	SPILL #: 92-09135	PIN #: SP92402
SAMPLE ORIGIN: TANK #4			
COLLECTION	RECEIPT	ANALYSIS	REPORT
DATE: 11/22/94	DATE: 11/23/94	DATE: 12/05/94	DATE: 12/05/94

**TOXICITY CHAR LEACHING PROC-SEMI VOLATILES
TCLPSEMI**

<u>PARAMETER</u>	<u>RESULTS</u>	<u>UNIT</u>
TOTAL CRESOL	0.43	mg/l
1,4-DICHLOROBENZENE	<0.01	mg/l
2,4-DINITROTOLUENE	<0.01	mg/l
HEXACHLOROBENZENE	<0.01	mg/l
HEXACHLORO-1,3-BUTADIENE	<0.01	mg/l
HEXACHLOROETHANE	<0.01	mg/l
NITROBENZENE	<0.05	mg/l
PENTACHLOROPHENOL	<0.05	mg/l
PYRIDINE	<0.01	mg/l
2,4,5-TRICHLOROPHENOL	<0.01	mg/l
2,4,6-TRICHLOROPHENOL	<0.01	mg/l

REMARKS: CC: WINSTON CONTRACTING
101133 -3



PEDNEAULT ASSOCIATES, INC. TESTING LABORATORIES

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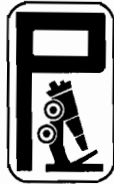
NYS D.E.C. II
REGION 2
222-34 96TH AVENUE
QUEENS VILLAGE, NY 11429-0000 (718)776-6080

PROJECT ID: 200 MORGAN AVENUE BROOKLYN, NY

LAB NUMBER: 101133	MATRIX: SOLID	SPILL #: 92-09135	PIN #: SP92402
SAMPLE ORIGIN: TANK #3			
COLLECTION	RECEIPT	ANALYSIS	REPORT
DATE: 11/22/94	DATE: 11/23/94	DATE: 12/05/94	DATE: 12/05/94

<u>PARAMETER</u>	<u>RESULTS</u>	<u>UNIT</u>	<u>METHOD</u>
TOXICITY CHARACTERISTIC LEACHING PROCEDURE-METALS			
ARSENIC	<0.300	mg/l	206.2
BARIUM	0.29	mg/l	208.2
CADMIUM	<0.001	mg/l	213.2
CHROMIUM	<0.020	mg/l	218.2
LEAD	<0.005	mg/l	239.2
MERCURY	<0.0005	mg/l	245.1
SELENIUM	<0.250	mg/l	270.2
SILVER	<0.005	mg/l	272.2
FLASH POINT			
FLASH POINT	55 deg.	C	ASTM-D93

REMARKS: CC: WINSTON CONTRACTING
101133 -2

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REGION 2

222-34 96TH AVENUE

QUEENS VILLAGE, NY 11429-0000

(718)776-6080

PROJECT ID: 200 MORGAN AVENUE BROOKLYN, NY

LAB NUMBER: 101133	MATRIX: SOLID	SPILL #: 92-09135	PIN #: SP92402
SAMPLE ORIGIN: TANK #4			
COLLECTION	RECEIPT	ANALYSIS	REPORT
DATE: 11/22/94	DATE: 11/23/94	DATE: 12/05/94	DATE: 12/05/94

<u>PARAMETER</u>	<u>RESULTS</u>	<u>UNIT</u>	<u>METHOD</u>
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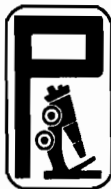
TOXICITY CHARACTERISTIC LEACHING PROCEDURE-METALS

ARSENIC	<0.300	mg/l	206.2
BARIUM	0.25	mg/l	208.2
CADMIUM	<0.001	mg/l	213.2
CHROMIUM	<0.020	mg/l	218.2
LEAD	<0.005	mg/l	239.2
MERCURY	<0.0005	mg/l	245.1
SELENIUM	<0.250	mg/l	270.2
SILVER	<0.005	mg/l	272.2

FLASH POINT

FLASH POINT	>100	C	ASTM-D93
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REMARKS: CC: WINSTON CONTRACTING
101133 -3



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NYS D.E.C. II
REGION 2
222-34 96TH AVENUE
QUEENS VILLAGE, NY 11429-0000 (718)776-6080

PROJECT ID: 200 MORGAN AVENUE BROOKLYN, NY

LAB NUMBER: 101133	MATRIX: SOLID	SPILL #: 92-09135	PIN #: SP92402
SAMPLE ORIGIN: TANK #2			
COLLECTION	RECEIPT	ANALYSIS	REPORT
DATE: 11/22/94	DATE: 11/23/94	DATE: 12/05/94	DATE: 12/05/94

POLYCHLORINATED BIPHENYLS
PCBS

<u>PARAMETER</u>	<u>RESULTS</u>	<u>UNIT</u>
1016	<0.2	ug/kg
1221	<0.2	ug/kg
1232	<0.2	ug/kg
1242	<0.2	ug/kg
1248	<0.2	ug/kg
1254	<0.2	ug/kg
1260	<0.2	ug/kg

REMARKS: CC: WINSTON CONTRACTING
101133 -1



PEDNEAULT ASSOCIATES, INC. TESTING LABORATORIES

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NYS D.E.C. II
REGION 2
222-34 96TH AVENUE
QUEENS VILLAGE, NY 11429-0000 (718)776-6080

PROJECT ID: 200 MORGAN AVENUE BROOKLYN, NY

LAB NUMBER: 101133	MATRIX: SOLID	SPILL #: 92-09135	PIN #: SP92402
SAMPLE ORIGIN: TANK #3			
COLLECTION	RECEIPT	ANALYSIS	REPORT
DATE: 11/22/94	DATE: 11/23/94	DATE: 12/05/94	DATE: 12/05/94

POLYCHLORINATED BIPHENYLS
PCBS

<u>PARAMETER</u>	<u>RESULTS</u>	<u>UNIT</u>
1016	<0.2	ug/kg
1221	<0.2	ug/kg
1232	<0.2	ug/kg
1242	<0.2	ug/kg
1248	<0.2	ug/kg
1254	<0.2	ug/kg
1260	<0.2	ug/kg

REMARKS: CC: WINSTON CONTRACTING
101133 -2



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After 5pm: (516) 567-5579

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REGION 2

222-34 96TH AVENUE

QUEENS VILLAGE, NY 11429-0000

(718)776-6080

PROJECT ID: 200 MORGAN AVENUE BROOKLYN, NY

LAB NUMBER: 101133	MATRIX: SOLID	SPILL #: 92-09135	PIN #: SP92402
SAMPLE ORIGIN: TANK #4			
COLLECTION	RECEIPT	ANALYSIS	REPORT
DATE: 11/22/94	DATE: 11/23/94	DATE: 12/05/94	DATE: 12/05/94

**POLYCHLORINATED BIPHENYLS
PCBS**

<u>PARAMETER</u>	<u>RESULTS</u>	<u>UNIT</u>
1016	<0.2	ug/kg
1221	<0.2	ug/kg
1232	<0.2	ug/kg
1242	<0.2	ug/kg
1248	<0.2	ug/kg
1254	<0.2	ug/kg
1260	<0.2	ug/kg

REMARKS: CC: WINSTON CONTRACTING
101133 -3



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PROJECT ID: 200 MORGAN AVENUE BROOKLYN, NY

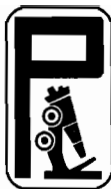
LAB NUMBER: 101133	MATRIX: SOLID	SPILL #: 92-09135	PIN #: SP92402
SAMPLE ORIGIN: TANK #2			
COLLECTION	RECEIPT	ANALYSIS	REPORT
DATE: 11/22/94	DATE: 11/23/94	DATE: 12/05/94	DATE: 12/05/94

<u>PARAMETER</u>	<u>RESULTS</u>	<u>UNIT</u>	<u>METHOD</u>
FLASH POINT			
FLASH POINT	>100	C	ASTM-D93

REMARKS: CC: WINSTON CONTRACTING
101133 -1

PAGE: 1

JOHN PEDNEAULT
LABORATORY DIRECTOR



PEDNEAULT ASSOCIATES, INC. TESTING LABORATORIES

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REGION 2
222-34 96TH AVENUE
QUEENS VILLAGE, NY 11429-0000 (718)776-6080

PROJECT ID: 200 MORGAN AVE., BROOKLYN, NY

LAB NUMBER: 101290	MATRIX: SOLID	SPILL #: 92-09135	PIN #: SP 92402
SAMPLE ORIGIN: TANK #2 TCLP EXTRACTION			
COLLECTION	RECEIPT	ANALYSIS	REPORT
DATE: 11/30/94	DATE: 12/01/94	DATE: 12/12/94	DATE: 12/13/94

TOXICITY CHARACTERISTIC LEACHING PROC-VOLATILES
TCLPVOL

<u>PARAMETER</u>	<u>RESULTS</u>	<u>UNIT</u>
BENZENE	<0.01	mg/l
CARBON TETRACHLORIDE	<0.01	mg/l
CHLOROBENZENE	<0.01	mg/l
CHLOROFORM	<0.01	mg/l
1,2-DICHLOROETHANE	<0.01	mg/l
1,1-DICHLOROETHYLENE	<0.01	mg/l
METHYL ETHYL KETONE	<0.01	mg/l
TETRACHLOROETHYLENE	<0.01	mg/l
TRICHLOROETHYLENE	<0.01	mg/l
VINYL CHLORIDE	<0.01	mg/l

REMARKS: ATT: ANTHONY SIGONA
101290 -1



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NYS D.E.C. II
REGION 2
222-34 96TH AVENUE
QUEENS VILLAGE, NY 11429-0000 (718)776-6080

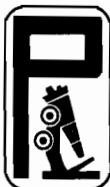
PROJECT ID: 200 MORGAN AVE., BROOKLYN, NY

LAB NUMBER: 101290	MATRIX: SOLID	SPILL #: 92-09135	PIN #: SP 92402
SAMPLE ORIGIN: TANL #2 TCLP EXTRACTION			
COLLECTION	RECEIPT	ANALYSIS	REPORT
DATE: 11/30/94	DATE: 12/01/94	DATE: 12/12/94	DATE: 12/13/94

TOXICITY CHAR LEACHING PROC-SEMI VOLATILES
TCLPSEMI

<u>PARAMETER</u>	<u>RESULTS</u>	<u>UNIT</u>
TOTAL CRESOL	<0.01	mg/l
1,4-DICHLOROBENZENE	<0.01	mg/l
2,4-DINITROTOLUENE	<0.01	mg/l
HEXACHLOROBENZENE	<0.01	mg/l
HEXACHLORO-1,3-BUTADIENE	<0.01	mg/l
HEXACHLOROETHANE	<0.01	mg/l
NITROBENZENE	<0.05	mg/l
PENTACHLOROPHENOL	<0.05	mg/l
PYRIDINE	<0.01	mg/l
2,4,5-TRICHLOROPHENOL	<0.01	mg/l
2,4,6-TRICHLOROPHENOL	<0.01	mg/l

REMARKS: ATT: ANTHONY SIGONA
101290 -1



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REGION 2

222-34 96TH AVENUE

QUEENS VILLAGE, NY 11429-0000

(718)776-6080

PROJECT ID: 200 MORGAN AVE., BROOKLYN, NY

LAB NUMBER: 101290	MATRIX: SOLID	SPILL #: 92-09135	PIN #: SP 92402
SAMPLE ORIGIN: TANK #2	TCLP EXTRACTION		
COLLECTION	RECEIPT	ANALYSIS	REPORT
DATE: 11/30/94	DATE: 12/01/94	DATE: 12/12/94	DATE: 12/13/94

<u>PARAMETER</u>	<u>RESULTS</u>	<u>UNIT</u>	<u>METHOD</u>
TOXICITY CHARACTERISTIC LEACHING PROCEDURE-METALS			
ARSENIC	<0.300	mg/l	206.2
BARIUM	0.36	mg/l	208.2
CADMIUM	0.004	mg/l	213.2
CHROMIUM	<0.020	mg/l	218.2
LEAD	0.10	mg/l	239.2
MERCURY	<0.0005	mg/l	245.1
SELENIUM	<0.250	mg/l	270.2
SILVER	<0.005	mg/l	272.2

REMARKS: ATT: ANTHONY SIGONA
101290 -1



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REGION 2
222-34 96TH AVENUE
QUEENS VILLAGE, NY 11429-0000 (718)776-6080

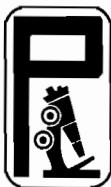
PROJECT ID: 200 MORGAN AVE., BROOKLYN, NY

LAB NUMBER: 101290	MATRIX: SOLID	SPILL #: 92-09135	PIN #: SP 92402
SAMPLE ORIGIN: TANK #2			
COLLECTION	RECEIPT	ANALYSIS	REPORT
DATE: 11/30/94	DATE: 12/01/94	DATE: 12/12/94	DATE: 12/13/94

POLYCHLORINATED BIPHENYLS
PCBS

<u>PARAMETER</u>	<u>RESULTS</u>	<u>UNIT</u>
1016	<0.2	ug/kg
1221	<0.2	ug/kg
1232	<0.2	ug/kg
1242	<0.2	ug/kg
1248	<0.2	ug/kg
1254	<0.2	ug/kg
1260	<0.2	ug/kg

MARKS: ATT: ANTHONY SIGONA
01290 -1



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File

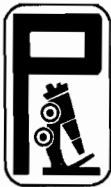
NYS D.E.C. II
REGION 2
222-34 96TH AVENUE
QUEENS VILLAGE, NY 11429-0000 (718)776-6080

PROJECT ID: 200 MORGAN AVE., BROOKLYN, NY

LAB NUMBER: 101431	MATRIX:	SPILL #: 92-09135	PIN #: SP 92402
SAMPLE ORIGIN: OIL SAMPLE			
COLLECTION	RECEIPT	ANALYSIS	REPORT
DATE: 12/06/94	DATE: 12/07/94	DATE: 12/19/94	DATE: 12/20/94

<u>PARAMETER</u>	<u>RESULTS</u>	<u>UNIT</u>	<u>METHOD</u>
FLASH POINT			
FLASH POINT	20 deg	C	ASTM-D93

REMARKS: CC: WINSTON CONTRACTING
101431 -01



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NYS D.E.C. II
REGION 2
222-34 96TH AVENUE
QUEENS VILLAGE, NY 11429-0000 (718)776-6080

PROJECT ID: 200 MORGAN AVE., BROOKLYN, NY

LAB NUMBER: 101431	MATRIX: SOLID	SPILL #: 92-09135	PIN #: SP 92402
SAMPLE ORIGIN: SAMPLE A	OIL	TCLP EXTRACTION	
COLLECTION	RECEIPT	ANALYSIS	REPORT
DATE: 12/06/94	DATE: 12/07/94	DATE: 12/19/94	DATE: 12/20/94

TOXICITY CHARACTERISTIC LEACHING PROC-VOLATILES
TCLPVOL

<u>PARAMETER</u>	<u>RESULTS</u>	<u>UNIT</u>
BENZENE	1.82	mg/l
CARBON TETRACHLORIDE	<0.01	mg/l
CHLOROBENZENE	<0.01	mg/l
CHLOROFORM	<0.01	mg/l
1,2-DICHLOROETHANE	<0.01	mg/l
1,1-DICHLOROETHYLENE	<0.01	mg/l
METHYL ETHYL KETONE	2.37	mg/l
TETRACHLOROETHYLENE	0.02	mg/l
TRICHLOROETHYLENE	<0.01	mg/l
VINYL CHLORIDE	<0.01	mg/l

REMARKS: CC: WINSTON CONTRACTING
101431 -1

PAGE: 1

JOHN PEDNEAULT
LABORATORY DIRECTOR

**PEDNEAULT ASSOCIATES, INC. TESTING LABORATORIES**

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REGION 2
222-34 96TH AVENUE
QUEENS VILLAGE, NY 11429-0000 (718)776-6080

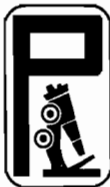
PROJECT ID: 200 MORGAN AVE., BROOKLYN, NY

LAB NUMBER: 101431	MATRIX: SOLID	SPILL #: 92-09135	PIN #: SP 92402
SAMPLE ORIGIN: SAMPLE B	SLUDGE	TCLP EXTRACTION	
COLLECTION	RECEIPT	ANALYSIS	REPORT
DATE: 12/06/94	DATE: 12/07/94	DATE: 12/19/94	DATE: 12/20/94

TOXICITY CHARACTERISTIC LEACHING PROC-VOLATILES
TCLPVOL

<u>PARAMETER</u>	<u>RESULTS</u>	<u>UNIT</u>
BENZENE	1.00	mg/l
CARBON TETRACHLORIDE	<0.01	mg/l
CHLOROBENZENE	<0.01	mg/l
CHLOROFORM	<0.01	mg/l
1,2-DICHLOROETHANE	<0.01	mg/l
1,1-DICHLOROETHYLENE	<0.01	mg/l
METHYL ETHYL KETONE	1.10	mg/l
TETRACHLOROETHYLENE	<0.01	mg/l
TRICHLOROETHYLENE	<0.01	mg/l
VINYL CHLORIDE	<0.01	mg/l

REMARKS: CC: WINSTON CONTRACTING
101431 -2



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NYS D.E.C. II
REGION 2
222-34 96TH AVENUE
QUEENS VILLAGE, NY 11429-0000 (718)776-6080

PROJECT ID: 200 MORGAN AVE., BROOKLYN, NY

LAB NUMBER: 101431	MATRIX: LIQUID	SPILL #: 92-09135	PIN #: SP 92402
SAMPLE ORIGIN: SAMPLE C	WATER	TCLP EXTRACTION	
COLLECTION	RECEIPT	ANALYSIS	REPORT
DATE: 12/06/94	DATE: 12/07/94	DATE: 12/19/94	DATE: 12/20/94

TOXICITY CHARACTERISTIC LEACHING PROC-VOLATILES
TCLPVOL

<u>PARAMETER</u>	<u>RESULTS</u>	<u>UNIT</u>
BENZENE	0.03	mg/l
CARBON TETRACHLORIDE	<0.01	mg/l
CHLOROBENZENE	<0.01	mg/l
CHLOROFORM	<0.01	mg/l
1,2-DICHLOROETHANE	<0.01	mg/l
1,1-DICHLOROETHYLENE	<0.01	mg/l
METHYL ETHYL KETONE	0.30	mg/l
TETRACHLOROETHYLENE	<0.01	mg/l
TRICHLOROETHYLENE	<0.01	mg/l
VINYL CHLORIDE	<0.01	mg/l

REMARKS: CC: WINSTON CONTRACTING
101431 -3



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After 5pm: (516) 567-5579

NYS D.E.C. II

REGION 2

222-34 96TH AVENUE

QUEENS VILLAGE, NY 11429-0000

(718)776-6080

PROJECT ID: 200 MORGAN AVE., BROOKLYN, NY

LAB NUMBER: 101431	MATRIX: SOLID	SPILL #: 92-09135	PIN #: SP 92402
SAMPLE ORIGIN: SAMPLE A	OIL	TCLP EXTRACTION	
COLLECTION	RECEIPT	ANALYSIS	REPORT
DATE: 12/06/94	DATE: 12/07/94	DATE: 12/19/94	DATE: 12/20/94

**TOXICITY CHAR LEACHING PROC-SEMI VOLATILES
TCLPSEMI**

<u>PARAMETER</u>	<u>RESULTS</u>	<u>UNIT</u>
TOTAL CRESOL	0.928	mg/l
1,4-DICHLOROBENZENE	<0.05	mg/l
2,4-DINITROTOLUENE	<0.05	mg/l
HEXACHLOROBENZENE	<0.05	mg/l
HEXACHLORO-1,3-BUTADIENE	<0.05	mg/l
HEXACHLOROETHANE	<0.05	mg/l
NITROBENZENE	<0.25	mg/l
PENTACHLOROPHENOL	<0.25	mg/l
PYRIDINE	<0.05	mg/l
2,4,5-TRICHLOROPHENOL	<0.05	mg/l
2,4,6-TRICHLOROPHENOL	<0.05	mg/l

REMARKS: CC: WINSTON CONTRACTING
101431 -1

PAGE: 1

JOHN PEDNEAULT
LABORATORY DIRECTOR



PEDNEAULT ASSOCIATES, INC. TESTING LABORATORIES

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NYS D.E.C. II
REGION 2
222-34 96TH AVENUE
QUEENS VILLAGE, NY 11429-0000 (718)776-6080

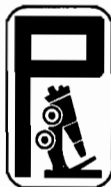
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LAB NUMBER: 101431	MATRIX: SOLID	SPILL #: 92-09135	PIN #: SP 92402
SAMPLE ORIGIN: SAMPLE B	SLUDGE	TCLP EXTRACTION	
COLLECTION	RECEIPT	ANALYSIS	REPORT
DATE: 12/06/94	DATE: 12/07/94	DATE: 12/19/94	DATE: 12/20/94

TOXICITY CHAR LEACHING PROC-SEMI VOLATILES
TCLPSEMI

<u>PARAMETER</u>	<u>RESULTS</u>	<u>UNIT</u>
TOTAL CRESOL	0.307	mg/l
1,4-DICHLOROBENZENE	<0.01	mg/l
2,4-DINITROTOLUENE	<0.01	mg/l
HEXACHLOROBENZENE	<0.01	mg/l
HEXACHLORO-1,3-BUTADIENE	<0.01	mg/l
HEXACHLOROETHANE	<0.01	mg/l
NITROBENZENE	<0.05	mg/l
PENTACHLOROPHENOL	<0.05	mg/l
PYRIDINE	<0.01	mg/l
2,4,5-TRICHLOROPHENOL	<0.01	mg/l
2,4,6-TRICHLOROPHENOL	<0.01	mg/l

REMARKS: CC: WINSTON CONTRACTING
101431 -2



PEDNEAULT ASSOCIATES, INC. TESTING LABORATORIES

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FAX: (516) 467-6905

After 5pm: (516) 567-5579

NYS D.E.C. II

REGION 2

222-34 96TH AVENUE

QUEENS VILLAGE, NY 11429-0000

(718)776-6080

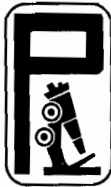
PROJECT ID: 200 MORGAN AVE., BROOKLYN, NY

LAB NUMBER: 101431	MATRIX: SOLID	SPILL #: 92-09135	PIN #: SP 92402
SAMPLE ORIGIN: SAMPLE C	WATER	TCLP EXTRACTION	
COLLECTION	RECEIPT	ANALYSIS	REPORT
DATE: 12/06/94	DATE: 12/07/94	DATE: 12/19/94	DATE: 12/20/94

**TOXICITY CHAR LEACHING PROC-SEMI VOLATILES
TCLPSEMI**

<u>PARAMETER</u>	<u>RESULTS</u>	<u>UNIT</u>
TOTAL CRESOL	0.370	mg/l
1,4-DICHLOROBENZENE	<0.01	mg/l
2,4-DINITROTOLUENE	<0.01	mg/l
HEXACHLOROBENZENE	<0.01	mg/l
HEXACHLORO-1,3-BUTADIENE	<0.01	mg/l
HEXACHLOROETHANE	<0.01	mg/l
NITROBENZENE	<0.05	mg/l
PENTACHLOROPHENOL	<0.05	mg/l
PYRIDINE	<0.01	mg/l
2,4,5-TRICHLOROPHENOL	<0.01	mg/l
2,4,6-TRICHLOROPHENOL	<0.01	mg/l

REMARKS: CC: WINSTON CONTRACTING
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REGION 2
222-34 96TH AVENUE
QUEENS VILLAGE, NY 11429-0000 (718)776-6080

PROJECT ID: 200 MORGAN AVE., BROOKLYN, NY

LAB NUMBER: 101431	MATRIX: SOLID	SPILL #: 92-09135	PIN #: SP 92402
SAMPLE ORIGIN: SAMPLE A	OIL		
COLLECTION	RECEIPT	ANALYSIS	REPORT
DATE: 12/06/94	DATE: 12/07/94	DATE: 12/19/94	DATE: 12/20/94

POLYCHLORINATED BIPHENYLS
PCBS

<u>PARAMETER</u>	<u>RESULTS</u>	<u>UNIT</u>
1016	<0.2	ug/kg
1221	<0.2	ug/kg
1232	<0.2	ug/kg
1242	<0.2	ug/kg
1248	<0.2	ug/kg
1254	<0.2	ug/kg
1260	<0.2	ug/kg

REMARKS: CC: WINSTON CONTRACTING
101431 -1



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FAX: (516) 467-6905 After 5pm: (516) 567-5579

NYS D.E.C. II
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222-34 96TH AVENUE
QUEENS VILLAGE, NY 11429-0000 (718)776-6080

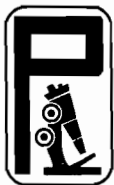
PROJECT ID: 200 MORGAN AVE., BROOKLYN, NY

LAB NUMBER: 101431	MATRIX: SOLID	SPILL #: 92-09135	PIN #: SP 92402
SAMPLE ORIGIN: SAMPLE B	SLUDGE		
COLLECTION	RECEIPT	ANALYSIS	REPORT
DATE: 12/06/94	DATE: 12/07/94	DATE: 12/19/94	DATE: 12/20/94

**POLYCHLORINATED BIPHENYLS
PCBS**

<u>PARAMETER</u>	<u>RESULTS</u>	<u>UNIT</u>
1016	<0.2	ug/kg
1221	<0.2	ug/kg
1232	<0.2	ug/kg
1242	<0.2	ug/kg
1248	<0.2	ug/kg
1254	<0.2	ug/kg
1260	<0.2	ug/kg

REMARKS: CC: WINSTON CONTRACTING
101431 -2



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FAX: (516) 467-6905 After 5pm: (516) 567-5579

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REGION 2
222-34 96TH AVENUE
QUEENS VILLAGE, NY 11429-0000 (718)776-6080

PROJECT ID: 200 MORGAN AVE., BROOKLYN, NY

LAB NUMBER: 101431	MATRIX: LIQUID	SPILL #: 92-09135	PIN #: SP 92402
SAMPLE ORIGIN: SAMPLE C	WATER		
COLLECTION	RECEIPT	ANALYSIS	REPORT
DATE: 12/06/94	DATE: 12/07/94	DATE: 12/19/94	DATE: 12/20/94

**POLYCHLORINATED BIPHENYLS
PCBS**

<u>PARAMETER</u>	<u>RESULTS</u>	<u>UNIT</u>
1016	<0.2	ug/l
1221	<0.2	ug/l
1232	<0.2	ug/l
1242	<0.2	ug/l
1248	<0.2	ug/l
1254	<0.2	ug/l
1260	<0.2	ug/l

REMARKS: CC: WINSTON CONTRACTING
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NYS D.E.C. II
REGION 2
222-34 96TH AVENUE
QUEENS VILLAGE, NY 11429-0000 (718) 776-6080

PROJECT ID: 200 MORGAN AVE., BROOKLYN, NY

LAB NUMBER: 101431	MATRIX: SOLID	SPILL #: 92-09135	PIN #: SP 92402
SAMPLE ORIGIN: SAMPLE A - OIL	TCLP EXTRACTION		
COLLECTION	RECEIPT	ANALYSIS	REPORT
DATE: 12/06/94	DATE: 12/07/94	DATE: 12/19/94	DATE: 12/20/94

<u>PARAMETER</u>	<u>RESULTS</u>	<u>UNIT</u>	<u>METHOD</u>
TOXICITY CHARACTERISTIC LEACHING PROCEDURE-METALS			
ARSENIC	<0.300	mg/l	206.2
BARIUM	0.38	mg/l	208.2
CADMIUM	<0.001	mg/l	213.2
CHROMIUM	<0.020	mg/l	218.2
LEAD	0.06	mg/l	239.2
MERCURY	<0.0005	mg/l	245.1
SELENIUM	<0.250	mg/l	270.2
SILVER	<0.005	mg/l	272.2

REMARKS: CC: WINSTON CONTRACTING
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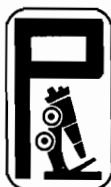
NYS D.E.C. II
REGION 2
222-34 96TH AVENUE
QUEENS VILLAGE, NY 11429-0000 (718) 776-6080

PROJECT ID: 200 MORGAN AVE., BROOKLYN, NY

LAB NUMBER: 101431	MATRIX: SOLID	SPILL #: 92-09135	PIN #: SP 92402
SAMPLE ORIGIN: SAMPLE B	SLUDGE	TCLP EXTRACTION	
COLLECTION	RECEIPT	ANALYSIS	REPORT
DATE: 12/06/94	DATE: 12/07/94	DATE: 12/19/94	DATE: 12/20/94

<u>PARAMETER</u>	<u>RESULTS</u>	<u>UNIT</u>	<u>METHOD</u>
TOXICITY CHARACTERISTIC LEACHING PROCEDURE-METALS			
ARSENIC	<0.300	mg/l	206.2
BARIUM	0.47	mg/l	208.2
CADMIUM	<0.001	mg/l	213.2
CHROMIUM	<0.020	mg/l	218.2
LEAD	0.04	mg/l	239.2
MERCURY	<0.0005	mg/l	245.1
SELENIUM	<0.250	mg/l	270.2
SILVER	<0.005	mg/l	272.2

REMARKS: CC: WINSTON CONTRACTING
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PEDNEAULT ASSOCIATES, INC. TESTING LABORATORIES

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FAX: (516) 467-6905 After 5pm: (516) 567-5579

NYS D.E.C. II
REGION 2
222-34 96TH AVENUE
QUEENS VILLAGE, NY 11429-0000 (718) 776-6080

PROJECT ID: 200 MORGAN AVE., BROOKLYN, NY

LAB NUMBER: 101431	MATRIX: SOLID	SPILL #: 92-09135	PIN #: SP 92402
SAMPLE ORIGIN: SAMPLE C	WATER	TCLP EXTRACTION	
COLLECTION	RECEIPT	ANALYSIS	REPORT
DATE: 12/06/94	DATE: 12/07/94	DATE: 12/19/94	DATE: 12/20/94

<u>PARAMETER</u>	<u>RESULTS</u>	<u>UNIT</u>	<u>METHOD</u>
TOXICITY CHARACTERISTIC LEACHING PROCEDURE-METALS			
ARSENIC	<0.300	mg/l	206.2
BARIUM	0.67	mg/l	208.2
CADMIUM	<0.001	mg/l	213.2
CHROMIUM	<0.020	mg/l	218.2
LEAD	0.02	mg/l	239.2
MERCURY	<0.0005	mg/l	245.1
SELENIUM	<0.250	mg/l	270.2
SILVER	<0.005	mg/l	272.2

REMARKS: CC: WINSTON CONTRACTING
101431 -3

SAFETY PLAN

**SITE HEALTH AND SAFETY PLAN
FOR A MAJOR OIL TERMINAL
FOR 200 MORGAN AVENUE
BROOKLYN, NY**

**PREPARED BY CHRIS PROCTOR, CIH
APRIL 3, 1994
(REVISED VERSION)
FOR WINSTON CONTRACTING CORPORATION**

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1. INTRODUCTION

This Site Health and Safety Plan (hereinafter called the HASP) describes the program to be implemented by **Winston Contracting Corporation** when performing remediation work for the **New York State Department of Environmental Conservation** (hereinafter called the **NYSDEC**) at the **Major Oil Terminal** located at **200 Morgan Avenue, Brooklyn, New York**.

Safeguarding the Contractor's employees, subcontractors and neighbors in the adjacent communities is a key part of this project. All work will be conducted in accordance with applicable federal, state and local regulations (US EPA, OSHA, NYSDEC, New York City Department of Environmental Protection or NYCDEP).

This HASP identifies procedures to be followed to minimize the potential for personnel exposure to contaminants known to be or suspected of being present at the site. All Contractor's employees and subcontractors who perform field work during the project will be required to read this Plan, and acknowledge receipt and understanding of the Plan by signing **Appendix A** and submitting it to the Contractor's Project Manager before performing any field activities.

During development of this plan consideration was given to current safety standards as defined by EPA/OSHA/NIOSH, health effects and standards for known contaminants, and procedures designed to account for the potential for exposure to unknown substances. Specifically, the following reference sources have been consulted:

- Occupational Safety and Health Administration (OSHA) 29 CFR 1910.120 and EPA 40 CFR 311
- US Environmental Protection Agency (EPA), OERR ERT Standard Operating Safety Procedures
- NIOSH/OSHA/USCG/EPA Occupational Health and Safety Guidance Manual for hazardous Waste Site Activities
- American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Values (TLVs)

Visitors

All visitors entering the contamination reduction zone and exclusion zone at the Site will be required to read and verify compliance with the provisions of this HASP. In addition, visitors will be expected to comply with relevant OSHA requirements such as medical monitoring (Sec. 6.0), training (Sec. 4.0), and respiratory protection (if applicable). Visitors will also be expected to provide their own protective equipment. In the event that a visitor does not adhere to the provisions of the HASP, he/she will be requested to leave the work area. All nonconformance incidents will be recorded in the site log.

2. KEY PERSONNEL

The following personnel and organizations are critical to the planned activities at the Site. The organizational structure will be reviewed and updated periodically by the **Project Coordinator, Anthony Sigona**, from the **New York State Department of Environmental Conservation**. His telephone number is **(718) 482-4933, X7110**. The NYSDEC Project Coordinator is responsible for the overall project administration and contractor oversight. As part of the oversight function,

NYSDEC will ensure that project plans meet NYSDEC requirements at a minimum.

Winston Contracting Corporation, has the primary responsibility for supplying personnel and equipment for the remedial cleanup operations under the oversight of the NYSDEC. The Contractor's **Project Manager, Joseph L. Sceppa**, has the primary responsibility for all on-site activities associated with the remedial (clean-up) work to be done at the **200 Morgan Avenue Major Oil Terminal** site. His telephone number is **(718) 445-4232**. Although safety and health is the responsibility of all personnel entering the site, primary responsibility for the Health and Safety program is assigned to the **Health and Safety Officer (HSO)**. The HSO is **Russell Graichen**, and his telephone number is **(718) 445-4232**. The designated alternate HSO is **Joseph L. Sceppa**. The HSO has overall responsibility for the implementation of this HASP and the approval of any changes, modifications, and/or additions to it.

He has authority to:

- Upgrade protection levels as desired
- Suspend work due to Health and Safety Program violations, health related incidents and other increased risk situations
- Remove personnel from the work site if their actions endanger the health and safety of other field personnel
- Authorize personnel to enter the site based on medical and training requirement

The HSO has the responsibility to:

- Implement the HASP
- Conduct site inspections to monitor compliance with the approved HASP
- Provide or coordinate training sessions
- Coordinate the medical monitoring program
- Conduct respirator fit tests as required
- Coordinate the acquisition, calibration, and maintenance of air monitoring equipment, respirators, fall protection equipment, and other safety equipment
- Direct on-site health and safety activities
- Report safety-related incidents or accidents to the Project Manager and fill out **Accident/injury Incident** forms as required
- Perform, or oversee performance of all air-monitoring activity
- Maintain, or oversee maintenance of on-site health and safety equipment

Key personnel summary:

Project Coordinator: **Anthony Sigona** from NYSDEC. His telephone number is **(718) 482-4933, X7110**.

Project Manager: **Joseph L. Sceppa** from Winston Contracting Corp. His telephone number is **(718) 445-4232**.

Health and Safety Officer (HSO): **Russell Graichen** from Winston Contracting Corp. His telephone number is **(718) 445-4232**, and the designated alternate HSO is **Joseph L. Sceppa**.

3. SITE DESCRIPTION AND HISTORY

The inactive major petroleum storage facility is located at 200 Morgan Avenue in Brooklyn, New York. This facility has above ground piping which connects seven mounded petroleum storage tanks with the loading rack and two loading dock areas. The piping probably consists of 6 inch diameter pipelines with an estimated total length of 2400 feet (to be field verified).

There seven petroleum storage tanks are rectangular, abovegrade and completely covered and encased with earth on top and concrete blocks on each side. The tanks can be entered from on top through manways located on top of each of the tanks. The tanks are suspected of leaking and their integrity is unknown. They were probably built with internal steel bracing, as is the case with other such "earthen-mound" petroleum storage facilities.

Planned remedial cleanup at the site is scheduled to begin on April 4, 1994. First, a chain link fence, approximately 350 feet in length, will be installed in front of the former oil terminal. The fence will include tension wire for the lower rail to prevent lower entrance. The top of the fence will have a continuous razor/wire ribbon. The fence will also have two 8 foot swing gates in order to accommodate any trucks, cars or persons entering the facility.

All the petroleum tanks will be cleaned and rendered free of liquid sludge, water, waste products, residual petroleum and any residual petroleum vapors. After the completion of the tank cleaning, Winston Contracting will enter each of the tanks and visually inspect them. Winston Contracting will attempt to identify the cause of any suspected leaks, and also determine whether there are any significant structural problems with the tank's internal bracing, the tank shell and the roof. The floors and lower course will be visually inspected for cracks, holes and corrosion. Any structural or other such defects or potential failure will be documented with photographs and in a written tank inspection report.

When rendered vapor-free, the tanks will then be disconnected and capped. The Contractor's procedures for cleaning and temporary closure of the facility's petroleum piping systems shall be consistent with good engineering practices and applicable requirements contained in the following documents:

- NYSDEC's Petroleum Bulk Storage Regulations, 6 NYCRR Part 613
- NYC Fire Code pertaining to Bulk Oil Facilities
- American Petroleum Institute's (API) Publication 2015, Cleaning Petroleum Storage Tanks

4. HAZARD DESCRIPTION

Wastes found to be present in samples taken during the site investigation phase contain the following materials:

- Petroleum #2 and #6 fuel oils, waste and sludge

Petroleum fuel products are flammable or combustible and must be handled properly to minimize or

eliminate the fire and explosion hazards. These fuels may be ignited by heat, sparks, or flames. The vapors can travel to a source of ignition and flash back. In a confined space such as the petroleum storage tanks, flammable and explosive concentrations as well as IDLH concentrations are easily achieved.

Petroleum fuel oils may be toxic if they are inhaled or absorbed through the skin. Inhalation of the vapors can cause dizziness and central nervous system depression. At high concentrations they can act as asphyxiants. When misted such as during the high pressure washing of the tanks, the mist may cause mucous membrane irritation and chemical pneumonitis. The eyes and skin may become irritated upon contact. The #6 fuel oil may contain carcinogens. The NIOSH REL for kerosine is 14 PPM (parts per million). Because #2 Fuel oil resembles kerosine in health effects, this REL should be the action level at the site. Respiratory protection is necessary for exposures above this or in areas where the exposures have not been characterized. Because of the likelihood of skin contact, chemical protective clothing is also necessary.

Chemical and toxicological characteristics of petroleum oil are contained in the **Hazardous Substance Identification Forms** found in **Appendix B**.

5. FIELD ACTIVITIES/ HAZARD ASSESSMENT

For the purposes of this **HASP**, the activities to be carried out in this clean-up have been grouped, based on the degree of contact that field workers are likely to have with the contaminated wastes. These groupings may be revised by the HSO if on-site observations or monitoring indicate that they are not providing adequate protection. It is the responsibility of the HSO to assess any deficiencies found in the protection of field workers, suspend work if necessary to protect workers and revise procedures (protection levels) if any are found to be inadequate.

The following field activities are grouped by degrees of exposure:

Direct Waste Contact Activities

- Tank entry, sludge sampling and removal of sludges and sediments from the pipelines and from the tanks
- Pumping liquid contents of the tanks into tankers or drums
- Waste bulking
- Cleaning of tanks with high-pressure water sprays
- Disconnecting and capping of tanks and pipelines
- Air monitoring within the Exclusion Zone
- Decontamination of personnel and equipment

With the exception of the decontamination, these activities occur in and around the tanks which are confined spaces. Confined spaces present a potentially very serious health and safety hazard. The tanks are of unknown structural integrity so there is the danger of entrapment. The materials within the tanks have not been fully characterized. There is the potential for IDLH (Immediately dangerous to life and health) concentrations, concentrations above OSHA's Permissible Exposure Limit (PEL), explosive/combustible concentrations, high noise due to high pressure hoses, and fall hazards from entry into the tank.

Limited waste contact activities

- General maintenance of site within the Exclusion Zone, but not in the tanks; for example, the Standby Attendant
- Collection, pre-treatment and disposal of contaminated water
- Decontamination of debris
- Construction of temporary staging/storage areas

For activities that involve only indirect or the potential for waste contact, the health and safety hazards include the physical hazards associated with material handling, and the use of equipment while wearing personal protective equipment (PPE); heat/cold stress; Inhalation of low concentrations or limited skin or eye contact with petroleum oil, sludge, and vapors

No waste contact activities

- Fence erection
- Maintenance of site security

For activities that involve no waste contact, the primary hazards are the physical hazards associated with construction, the use of heavy equipment, and heat (or cold) stress.

6. PERSONNEL TRAINING REQUIREMENT

Consistent with OSHA's 29 CFR 1910.120 regulation covering Hazardous Waste Operations and Emergency Response, all site personnel have received 40 hours of instruction off the site and 8 hours of refresher training (if applicable), and all site supervisors have received the 8 hours of supervisor training. All tank entrants, standby attendants and entry supervisors have received permit-required confined space training as required by OSHA's Permit-Required Confined Space regulation, 1910.147. Documents certifying that each general site worker has received the required 40 hours, the 8 hours refresher training (if applicable), the 8 hours supervisor training (if applicable), and the confined space training prior to arrival at the site are attached in **Appendix C**. **Appendix C also contains the list of authorized personnel from Winston Contracting Corporation who have access to the site.**

There will also be three days of on-site training. Site workers will be trained by **Joseph L. Sceppa** to recognize the hazards on site, the provisions of this HASP, the responsible personnel and will include the following topics:

- Acute and chronic effects of petroleum liquid, sludge and vapors
- Routes of potential exposure and field activities which could result in such exposure
- Need for personal protection, types of protection, its effectiveness and its limitations
- Proper use and fitting of respiratory protective equipment
- Medical surveillance program

- Work zones established at the site
- Prohibited activities in the Exclusion and Contamination Reduction Zone
- Engineering controls and safe work practices associated with each employee's work assignment including use of the "buddy system"
- Personal and equipment decontamination procedures
- Emergency response procedures and spill containment
- Basic safety procedures, including proper use of fall protection systems, heavy equipment, use of high pressure sprays, emphasizing hazards on site
- Site communications
- Drum handling procedures
- Tank entry and work procedures inside the tanks
- Equipment inspection (Refer to Appendix G)

Emergency response training

- Each employee will participate in a site evacuation drill during the first full week of field activities. The HSO will review these procedures.
- The HSO or another member of Winston's Contracting Corp. designated by the HSO, will have current certification in first aid and CPR (via an established American Red Cross and/or American Heart Association program) certification.
- At least one member of each work crew will receive training in the use of portable fire extinguishers as per OSHA's regulation 29 CFR 1910.157(G).

Joseph L. Sceppa or Russell Graichen will also conduct daily site pre-entry briefings. These briefings or tool-box safety meetings will focus on the hazards associated with the day's work tasks as well as the inspection and use of equipment. The discussion will include the confined space entry tasks and associated hazards and standard operating procedures, proper use of the air monitoring meters and field calibration, proper use and inspection of the pressure-demand supplied air systems, and proper use and inspection of the fall protection equipment.

7. LEVELS OF PROTECTION

It is important that personnel protective equipment is appropriate to protect against the potential or known hazards at the site. Protective equipment has been selected based on the types and concentrations of substances at the site and the possibilities for and the routes of personnel exposure. Exposure to hazardous materials includes exposure to petroleum (#2 and #6) fuel oil, waste and sludge. The potential exposure risks are by inhalation and skin contact. Ingestion while possible, is unlikely. The following levels of protection are required for the following activity groups:

Workers will wear full chemical protective clothing (CPC). The CPC will consist of Saranex one piece suits with separate hoods. These suits and hoods are to be disposed of as contaminated

waste during decontamination procedures.

All workers will wear outer Silver Shield gloves over inner neoprene rubber gloves. Gloves are disposed of as contaminated waste.

All workers will wear butyl rubber boots which are taped to the Saranex suits with duct tape. Saranex disposable boot covers will be worn over the rubber boots. The butyl rubber boots will be reused after washing with a detergent and water during the decontamination.

Level B protection will be worn in the tanks and will consist of:

- Pressure-demand supplied-air respirator (MSHA/NIOSH approved) with escape self-contained breathing apparatus (SCBA). In pressure-demand respirators, a pressure regulator and an exhalation valve on the mask maintain the mask's positive pressure except during high breathing rates. If a leak develops in a pressure-demand respirator, the regulator sends a continuous flow of clean air into the facepiece, preventing inward leakage of contaminated air.
- One-piece chemical resistant clothing: **Saranex suits (disposable)** with separate disposable hoods
- Outer gloves: **Silver shield or neoprene rubber (disposable)**
- Outer boot covers: **Saranex (disposable)**
- Inner gloves: **butyl rubber (disposable)**
- Boots: Chemical resistant rubber boots
- Hard hat
- Hearing protection (during high-pressure washing) * (optional)

Level C protection will be worn by the standby attendant outside of the tanks as well as by workers in the Contamination Reduction Zone and will consist of:

- Half-face air-purifying respirator with organic vapor cartridges (NIOSH/MSHA approved)
- One-piece chemical resistant clothing: **Saranex suits (disposable)**
- Outer gloves: **Silver shield or neoprene rubber (disposable)**
- Outer boot covers: **Saranex (disposable)**
- Inner gloves: **neoprene rubber (disposable)**
- Boots: Chemical resistant rubber boots with steel toe and shank
- Hard hat
- Hearing protection (during high-pressure washing) * (optional)

A common sign of exposure to organic solvents when the wrong protective clothing or gloves is worn is a burning tingling sensation. The heavy #6 fuel oil may contain carcinogens. Wash thoroughly with soap and water whenever there is accidental skin contact.

Level D protection will be worn by workers in the Support Zone and will consist of:

- Coveralls
- Work gloves

In addition to the written PPE program required in OSHA 1910.120, compliance is also required with the OSHA 1910.134 Respiratory Protection Standard. Winston Contracting Corp.'s **Respiratory Protection Program** is attached as **Appendix D**.

8. SITE CONTROL

The first task at the site is the erection of the chain link fence at the front to the terminal in order to secure the site. (Access is still possible from the English Kills waterway which borders the perimeter on two sides of the site). Access to the 200 Morgan Avenue site activities will be limited to authorized personnel. Such personnel include the Winston Contracting Corporation's employees and representatives from the NYSDEC. However access into the exclusion zone will be limited to those personnel wearing appropriate personal protective equipment (Level B or Level C). The exclusion zone will be cordoned off with flagging tape or other suitable indicators designating the exclusion zone boundary. The zone will also be monitored by the HSO to ensure personnel do not enter without proper personal protection.

Sign-in procedures will be used to ensure that authorized personnel only will participate in the clean-up activities. The Project Manager will coordinate this effort and maintain the generated documentation accordingly.

Work Zones (Refer to the site map)

Zone 1: Exclusion Zone

The Exclusion Zone is the zone where contamination does or could occur. The area around the tanks and piping as well as inside the tanks is considered the Exclusion Zone. All persons entering this Zone will wear the level of protection set forth in the previous section (Levels of Protection). Level C is the minimum level of protection in this Zone.

Zone 2: Contamination Reduction Zone

The Contamination Reduction Zone provides a transition zone between contaminated and clean areas of the site. This zone is located directly outside the Exclusion Zone (on the asphalt driveway). All personnel and equipment leaving the Exclusion Zone will be decontaminated in this zone. Procedures for decontamination are specified in **Section 11**.

Zone 3: Support Zone

The Support Zone is the uncontaminated area from which operations will be directed. It is essential that contamination be kept out of this area. A trailer will be used as the Command Post.

Buddy system

During all Level B activities, when workers enter the tanks, or when some conditions present a risk to personnel, the buddy system is mandatory. A buddy system requires at least two people who work as a team; each looking out for the other. For tank entry there will be at a minimum one tank entrant and one standby attendant at each tank.

Site Communications

Successful communications between field teams and contact with personnel in the support zone is essential. The following communication systems will be available during activities at the site.

- Intrinsically safe radio (if used inside the tanks)
- Megaphone
- Hand signals and line-of-sight communications between tank entrants and the standby attendant

<u>signal</u>	<u>definition</u>
Hands clutching throat	Out of air/cannot breathe
Hands on top of head	Need assistance
Thumbs up	OK/I am all right/I understand
Thumbs down	No/negative
Arms waving upright	Send backup support
Grip partner's wrist	Exit area immediately

Standard Operating Procedures for the Exclusion Zone

- No smoking, eating, or drinking in this zone
- No horse play
- No matches or lighters in this zone
- Check-in on entrance to this zone (Use of entry permit into the tanks)
- Check-out on exit from this zone
- Implement the communications system
- Line-of-sight must be in position
- Wear the appropriate level of protection as defined in this HASP

9. MEDICAL SURVEILLANCE

Winston Contracting requires all of its field workers to pass a comprehensive preemployment medical examination prior to working at hazardous waste and spill remediation sites. The medical surveillance monitoring is conducted by **Envirocare** in Raritan, New Jersey. The examination includes:

- Complete medical and occupational history
- Full physical examination
- Vital systems check
- Screening audiometry
- Visual acuity

- Pulmonary function test
- Electrocardiogram
- Chest X-ray
- Blood test including CBC, SMA24, and PCB blood levels
- Urinalysis including microscopic

Following the results of the hands-on physical and the laboratory tests, the physician has determined the field workers are qualified to work in areas where exposure to chemicals or physical stress is possible and that they are physically able to wear protective equipment, including respirators. A copy of the **Medical Approval** form is attached in **Appendix E**.

Annual and Exit Examination

Winston Contracting conducts an identical program on an annual basis and at employee termination. Additional testing may be conducted when special or unusual conditions exist.

Medical Support Services

Envirocare physicians provide medical consultation services to advise on medical and health questions as they arise and evaluation and care of individuals with work-related exposures, injuries, or illness.

Emergency Medical Care and Treatment

Prior to starting work at the site, Winston Contracting will contact local emergency organizations (hospital, fire, police) to ensure they are adequately prepared to respond to potential emergencies.

Emergency telephone numbers and a map and directions to the nearest medical treatment facility (**Woodhull Hospital**) will be conspicuously posted at the site.

Emergency showers, eyewash fountains and first aid equipment will be readily available on site. The HSO or other designated personnel are certified in first aid and CPR.

In the event of an injury or chemical exposure, employees will be transported to the nearest hospital (**Woodhull Hospital**). As a follow-up to an injury or possible exposure above established exposure limits (OSHA PELs, NIOSH Recommended Exposure Limits, ACGIH Threshold Limit Values, etc.) all employees are entitled to and encourage to seek medical attention and physical testing. Depending on the type of exposure, it is critical to perform follow-up testing within 24-48 hours. It will be up to **Envirocare** to advise the type of test required to accurately monitor for exposure effects.

While at the site, personnel should self-monitor their health and that of their co-workers. Visual observations include:

- Behavioral changes
- Sensation losses
- Coordination losses
- Change in appetite

- Slurred speech
- Dizziness
- Skin rashes

Any abnormalities or changes will be reported to the HSO and investigated. Such aspects could be symptoms of toxic exposure and must not be allowed to continue without medical attention. In addition, all accidents and injuries, no matter how small or insignificant, are to be reported and investigated.

Heat exhaustion is the most common heat disorder. Heat exhaustion occurs when an individual loses more water and salt from sweating than is taken into the body. The symptoms are:

Fatigue, weakness, pale, faint

Clammy skin, headache, cramps, vomiting

The body temperature is usually normal

Remove the worker from the hot area, remove or loosen his clothing, apply cool wet cloths, and allow him to sip small amounts of water or Gatorade. Request the Project Manager of HSO for assistance.

Heat stroke is a serious medical emergency. Because the body is unable to regulate its temperature, sweating stops and the body starts heating up. The worker must receive immediate medical attention. Heat stroke is characterized by:

Hot, dry skin. The skin may be red.

Very hot body temperature, may be 105 °F or higher

Dizziness, confusion, delirium and even loss of consciousness

Immediately remove the worker from the hot area, remove his clothing, cool the body, call the Project Manager and request an ambulance.

10. FREQUENCY AND TYPES OF AIR MONITORING

OSHA's Permit-Required Confined Space standard (29 CFR 1910.147) requires the use of calibrated direct-reading air monitors to monitor the atmosphere prior and during entry into the confined space. Acceptable entry conditions must be stated on the permit and met before permission to enter is granted. Ninety percent of all deaths in confined spaces are caused by hazardous atmospheres. These hazardous atmospheres are:

- Oxygen deficient (defined by OSHA as less than 19.5% Oxygen)
- Flammable/combustible atmospheres (defined by OSHA as greater than 10% LEL)
- Poisonous atmospheres (caused by hydrogen sulfide, carbon monoxide, contaminants in IDLH concentrations)
- Concentrations of contaminants greater than OSHA PELs

These dangers are very common in confined spaces and the only way to ensure that airborne levels are safe is to test the air with an air monitor or meter.

A direct-reading 4-gas meter, the Crowcon Triple Plus from CEA Instruments will be used to monitor the confined space prior to entry and then during work operations inside the tank. The monitoring results will be recorded on the entry permit, and the person doing the monitoring will initial each reading on the permit. Conditions upwind and downwind of the tank entry operations will also be monitored and recorded in an **Air Monitoring Log**.

THEORY OF OPERATION OF THE 4-GAS DIRECT-READING METER:

This meter measures the concentration of a combustible gas or vapor, and concentrations of oxygen, carbon monoxide and hydrogen sulfide. To detect a combustible gas or vapor, a filament, usually of platinum, is heated by burning the combustible gas or vapor. The reaction releases heat energy which increases the temperature of the filament still further. The more gas that is present, the greater will be the increase in temperature. A hot wire provides a greater resistance to the flow of current, and this increase in resistance can be detected and a digital readout is produced. The meter is calibrated to read % of the LEL present in the atmosphere.

The oxygen, carbon monoxide, and hydrogen sulfide sensors are electrochemical sensor. Molecules of oxygen, carbon monoxide, or hydrogen sulfide gas diffuse through the appropriate sensor and cause a reaction. The reaction caused a minute electrical current to flow between the electrodes, producing a digital readout in proportion to the amount of oxygen, or carbon monoxide, or hydrogen sulfide present.

LIMITATIONS:

Generally, oxygen sensors should be replaced every 6 months to a year. High concentrations of carbon dioxide (CO₂) shorten the useful life of the oxygen detector cell. As a general rule, the unit can be used in atmospheres greater than 0.5% CO₂ only with frequent replacing or rejuvenating of the oxygen cell.

The carbon monoxide and hydrogen sulfide sensors should be replaced yearly. Combustible gas sensors have a longer lifespan and are usually good for up to two years.

Most combustible gas indicators are calibrated to read accurately for methane or pentane. However not all gases cause the same response as the calibration gas. Therefore for other gases or vapors or mixtures of gases, the instrument reading may be higher or lower than the actual %LEL present in the atmosphere. This is balanced to some extent by the action level of 10%, thus allowing a large margin of safety.

For example, if the meter reads 0.5 or 50% depending on the meter face, this means that 50% of the concentration of combustible gas needed to reach an unstable flammable or combustible situation is present. You are halfway to reaching the LEL. Let's say the LEL for the gas is 7% (70,000 PPM). The meter reads 50%. The meter is indicating that you are halfway to the LEL concentration (35,000 PPM).

If a concentration greater than the LEL and lower the UEL is present, then the meter reading will stay at the 100% level or beyond. This indicates that the ambient atmosphere is readily combustible. **RETREAT!**

Calibration

Air monitors or meters frequently get out of tune. They may say there is 20% oxygen in the air when there is actually 19%. They must be checked and adjusted from time to time. This process

is called calibration - setting the meter so that it reads the amount of gas or vapor that is actually present in the air.

The Crowcon Triple Plus air monitor will be calibrated at least weekly by **Russell Graichen** with Crowcon's calibration gas. If the monitor does not read the calibration gas correctly, it will be adjusted until it does. The pump will also be checked to make sure it pulls in the correct amount of air. It will also be cleaned. If the meter cannot be adjusted to read correctly, it may either need new sensors or it must be sent back to the factory for a bench check and overhaul.

All meters will be field calibrated every day prior to entry into the exclusion zone. Please use the **Monitor Field Calibration Checklist in Appendix F**. The meter will be checked with calibration gas. If it does not read within the range recommended by Crowcon (CEA Instruments), the meter will be taken out of service and calibrated by the HSO.

11. DECONTAMINATION

Decontamination involves the orderly controlled removal of contaminants. All site personnel should minimize contact with contaminants in order to minimize the need for extensive decon.

The HSO is responsible for monitoring decontamination procedures and determining their effectiveness.

All personnel and equipment must be decontaminated when passing from the Exclusion Zone to the Support Zone. Prior to departing from the site or at the end of the work shift, all personnel will proceed through the Decontamination Station where disposable clothing and equipment will be removed. After leaving the confined space and disconnecting from the supplied air line, the **Level B Decon steps** are as follows:

- Step 1: Segregated equipment drop
- Step 2: Outer boot cover and glove removal and disposal
- Step 3: Safety boot rinse and removal
- Step 4: Removal and disposal of one-piece Saranex suit
- Step 5: Inner glove removal
- Step 6: Respirator face piece removal
- Step 7: Inner clothing removal
- Step 8: Field wash
- Step 9: Redress

Level C decon steps are as follows:

- Step 1: Segregated equipment drop
- Step 2: Outer boot cover and glove removal and disposal
- Step 3: Safety boot rinse and removal
- Step 4: Removal and disposal of one-piece Saranex suit
- Step 5: Inner glove removal
- Step 6: Respirator face piece removal
- Step 7: Inner clothing removal
- Step 8: Field wash
- Step 9: Redress

Winston Contracting will set up controls to ensure that contaminated items do not leave the Exclusion Zone. All equipment shall be inspected and washed or wet-wiped. If the wash water is contaminated, a collection system is required.

All required respirators will be cleaned daily.

All disposable clothing and other contaminated material will be placed in containers for storage on-site. Personnel will make a conscious effort to minimize the volume of contaminated materials. Legible and easy-to-understand precautionary labels will be affixed prominently to containers of contaminated waste, debris, and clothing. Containers will be disposed with other solids in the approved sanitary or RCRA landfill, depending on whether it is a hazardous waste or not.

12. EMERGENCY RESPONSE/CONTINGENCY PLAN

Pre-emergency planning

During the daily site briefings (or tool box safety sessions), all employees will be trained in and reminded of provisions of the emergency response plan, communication systems, and evacuation routes. The plan will be reviewed and revised if necessary, on a regular basis by the HSO. This will ensure that the plan is adequate and consistent with prevailing site conditions. Because of the hazardous nature of working in the tanks, there will be practice drills weekly in which tank entrants are retrieved and evacuated from the tanks.

Personnel roles and lines of authority

The project manager, **Joseph L. Sceppa** has the primary responsibility for responding to and correcting emergency situations. This includes taking appropriate measures to ensure the safety of site personnel and the public. Possible actions may involve the evacuation of personnel from the site areas, and evacuation of adjacent residents or workers. The Project Manager is additionally responsible for ensuring that corrective measures have been implemented, appropriate authorities have been notified, and follow-up reports completed. The HSO, **Russell Graichen**, may be called upon to act on the behalf of the Project Manager and will direct responses to any medical emergency.

A list of site conditions which might require implementation of the plan, includes, but is not limited to:

- Fire or explosion on site
- Serious employee injury
- Accumulation of combustible gases or vapors at concentrations greater than background at the site or greater than 10% LEL in the tanks
- Oxygen concentrations below 19.5%
- Unsafe working conditions, such as inclement weather, or hazardous material releases
- Major releases of hazardous materials for which appropriate PPE is not being worn by the workers

Evacuation plan

Evacuation routes and safe distances as well as designated Assembly Areas are located on the site map. All site personnel will evacuate from the Exclusion Zone and Contamination Reduction Zone if the Project Manager decides their personal safety is in danger. If evacuation is necessary personnel will be notified by a series of short blasts on the air horn, for a period of one minute. The following procedures will apply:

- It is imperative that all entrants in the tanks are rapidly retrieved from the tanks.

Evacuation will take place through the normal contamination reduction zone, except for personnel already in the Support Zone, unless otherwise instructed. The Support Zone should normally be upwind of any activities. Decon procedures may or may not be followed, depending on the Project Manager.

- If the Contamination Reduction Zone is deemed unsafe, evacuation will be through the emergency exit located at _____ on the site map.

- Personnel will proceed to the designated **Assembly Area** which will either be at the Command Post or a predetermined location off-site (**refer to the site map**). All personnel must check in with the checkpoint control person. Personnel will remain at that area until the re-entry alarm is sounded or an authorized individual provides further instructions.

- The buddy system will be followed throughout the evacuation procedure.

Fire/Explosion

Upon notification of a fire or explosion on-site, the designated emergency signal (continuous horn blast) will be sounded and all site personnel shall assemble at the Assembly Area. The NYCFD and the NYSDEC will be summoned immediately and all personnel moved to a safe distance upwind from the involved area. Upon arrival of the NYCFD and NYSDEC, the Project Manager will advise the fire commander of the location, nature, and identification of the hazardous materials on site. Personnel will remain at that area until an authorized individual provides further information.

If it is safe to do so, site personnel may:

- Use fire fighting equipment available on site to control or extinguish the fire

- Remove or isolate flammable or other hazardous materials which may contribute to the fire

Spill or Leaks

In the event of a spill or leak, site personnel will:

- Inform their supervisor immediately

- The project manager, who will notify the NYSDEC (see page 17 for notification procedures), may decide to evacuate or control the spill

- To control the spill, personnel will locate the source of the spill and stop the flow if it can be done safely

- Begin containment and recovery of the spilled materials

Specific situations

The following procedures are to be implemented for the specific situations listed below which may not require immediate evacuation:

Personnel injury in the Exclusion Zone

Upon the notification of an injury in the Exclusion Zone, the designated emergency hand signal (continuous horn blast) will be sounded. All site personnel must assemble at the decontamination line. The rescue team will enter the Exclusion Zone (if required) to remove the injured person to the hotline. The site HSO will determine the nature of the injury, and the affected person's clothing

will be removed as quickly as possible prior to movement to the Support Zone. The appropriate first aid will be administered and contact will be made for an ambulance with the designated medical facility (if required). No persons will re-enter the Exclusion Zone until the cause of the injury or symptoms is determined.

Certain injuries may make it necessary to breach a tank or other structure rather than risk additional injury by removal through an existing manway. However, the entry supervisor will ensure that no breaching procedure used for rescue would violate the conditions of the entry permit. For example, if a tank must be breached by cutting with a torch, the tank surfaces to be cut must be free of volatile or combustible coatings within 4 inches (10.16 centimeters) of the cutting line and the atmosphere must be below the LEL.

Personnel injury in the Support Zone

Upon notification of an injury in the Support Zone, the HSO will assess the nature of the injury. If the cause of the injury or loss of the injured person does not affect the performance of the site personnel, operations may continue, with the appropriate first aid and necessary follow-up as stated above. If the injury increases the risk to others, the designated emergency signal (continuous horn blast) will be sounded and all site personnel will move to the decontamination line for further instructions. Activities on site will stop until the added risk is removed or minimized.

Personal Protective Equipment Failure

If any site worker experiences a failure or alteration of protective equipment that affects the protection factor, that person and his or her buddy will immediately leave the Exclusion Zone. Reentry will not be allowed until the equipment has been repaired or replaced.

On-Site Emergency Equipment and Facilities (which should be noted on the site map)

- Fire extinguishers
- First aid kit
- Cellular telephone
- Sorbent material
- Berms and dikes
- Foams
- Emergency Escape SCBAs
- Eye wash
- Emergency/decon shower
- Two-way radios
- Overpacks
- Direct-reading equipment

EMERGENCY CONTACTS

Winston Contracting office

(718) 445-4232

Joseph L. Sceppa's 24-hour number

Russell Graichen's 24-hour number

NYSDEC: Anthony Sigona

(718) 482-4933 X7110

NYSDEC Spill Notification

NYC Police Department

67th Precinct, Brooklyn

(718) 834-3211

NYCFD	911
NYCFD in Brooklyn	(718) 636-1700
	(718) 999-4444
Woodhull Hospital	
720 Flushing Avenue	(718) 963-8000
Brooklyn, NY 11202	
United States Coast Guard	(212) 668-7920
EPA Emergency Response Team	(908) 321-6660
National Response Center	(800) 424-8802
Center for Disease Control	(404)488-4100
CHEMTREC	(800) 424-9300
NYDOT/ Bureau of Spill Response	(518) 457-7362
NYSDEC Emergency Response Releases	(518) 457-2222
Local Emergency Response Planning Committee	(800) 457-7362

SPILL NOTIFICATION PROCEDURES

For oil spills the **NYSDEC must be notified immediately** (within 2 hours of the release) report:
Name of caller, relationship to the company, or person responsible for discharge

Time and date of discharge

Probable source

Location of the discharge and its proximity to water

Type of petroleum discharged

Potential health or fire hazards

Amount of petroleum discharged

Actions that are being taken or will be taken to clean up the spill

Number of people at the scene

Other agencies that have or will be notified

13. SPILL CONTAINMENT PROGRAM

All drums and containers used during the clean-up will meet the appropriate DOT, OSHA, and EPA regulations for the waste that they will contain.

Drums and containers will be inspected and their integrity assured prior to being moved.

Where spills, leaks, or ruptures may occur, adequate quantities of spill containment equipment (absorbent, pillows, etc.) will be stationed in the immediate area. The spill containment material must be sufficient to contain and isolate the volume of material being transferred.

Fire extinguishing equipment will be on hand and ready for use to control fires.

14. CONFINED SPACE ENTRY PROCEDURES

The seven rectangular petroleum storage tanks are permit-required confined spaces. A permit-required confined space (PRCS) is defined as an area which meets the definition of a confined space and presents or has the potential to present a recognized serious safety or health hazard. A confined space is defined as an area which:

- Has adequate size and configuration for employee entry
- Has limited means of access or egress
- Is not designed for continuous employee occupancy

A permit-required confined space is defined as a confined space that has one or more of the following:

- Contains, or has the potential to contain, a hazardous atmosphere
- Contains material with the potential for engulfment
- Has an internal configuration such that an entrant could be trapped or asphyxiated by inwardly converging walls, or a floor which slopes and tapers to a smaller cross-section
- Contains any other recognized safety or health hazard

The hazards of the tanks are:

Hazardous atmospheres with the potential for exposure above the PEL and IDLH (not all contaminants may have been identified)

Flammable/combustible atmosphere of petroleum oils, liquid, and sludges

Potential for engulfment by liquid or solid material

The structural integrity of the tanks is questionable

PRCS ENTRY PERMIT

All PRCS entry operations shall be conducted in accordance with a PRCS Entry Permit System. The PRCS entry permit is an authorization and approval in writing that specifies the location and type of work to be done, and certifies that all existing hazards have been evaluated by a qualified person, and the necessary protective measures and procedures have been taken to ensure the safety of each worker prior and during both entry and exit from the PRCS. The permit to be used

is attached in **Appendix H**. The entry permit, designed by J.J. Keller, contains:

- Location of the PRCS to be entered
- The date of entry and the authorized duration of the entry permit
- Brief description of purpose of entry and the work to be done and time of entry
- List of authorized entrants
- Name of current attendant and entry supervisor (can be the same person)
- List of hazards in the PRCS
- List of measures to isolate the PRCS and eliminate/control the hazards (such as lockout/tagout, purging, inerting, ventilating and flushing PRCS)
- The acceptable entry conditions
- The times and results of initial and periodic tests initialed by the person(s) performing the tests
- Rescue and emergency services and the means to summon them
- Communication procedures for attendants/entrants
- The required equipment (such as communications equipment, respirators, air monitors, mechanical retrieval systems, etc.)
- Any other necessary information
- Any additional permits
- A space for the authorization and approval by the entry supervisor
- A space for the cancellation of the permit by the entry supervisor

ENTRY PERMIT SYSTEM

The entry permit shall be completed and approved (signed) by the designated entry supervisor prior to employee entry into the tanks.

During the PRCS entry operation, the entry permit shall be conspicuously displayed immediately adjacent to the tanks.

The duration of the permit may not exceed the time required to complete the work. Upon completion of the work in the PRCS, the permit is cancelled by the entry supervisor. After an entry permit has expired, a new entry permit must be issued.

Any problems regarding the PRCS entry shall be noted by the entry supervisor on the permit and immediately conveyed to the Project Manager and the HSO.

An entry permit may be cancelled at any time by the entry supervisor who signed the permit or by

another person authorized and qualified to do so. Entry shall be terminated and the entry permit cancelled if a prohibited condition occurs in or near the PRCS.

Cancelled permits shall be kept by Winston Contracting for at least a year in order to review the entry permits and the permit system.

Review of the entry permit shall also be conducted whenever there is: any unauthorized entry into a PRCS occurs; detection of a hazardous condition not covered by the entry permit; an injury or near-miss during entry; a change in the use or configuration of a PRCS; employee complaints about the effectiveness of the program.

ATTENDANTS

A minimum of two persons is required for all PRCS entry operations. All entrants in the PRCS must be observed by the attendant stationed outside the PRCS work area. The attendant will remain on duty at all times during entry operations at a single PRCS. The attendant will be responsible for:

- Maintaining an accurate count of all entrants in the PRCS
- Knowing and recognizing all potential hazards connected with the PRCS
- Monitoring all conditions both inside and outside the PRCS
- Maintaining continuous communication with every entrant in the PRCS during entry
- Ordering all entrants out of the PRCS whenever a prohibited condition occurs (when a condition not allowed on the entry permit occurs, when noticing a behavioral change in an entrant, when an uncontrolled hazard within the PRCS occurs, when there is a condition outside the PRCS that could endanger the entrants within the work area, or when the attendant must leave his post in the event another PRCS monitored by the attendant has an emergency)
- Securing the area. The attendant will instruct unauthorized personnel to remain outside the work area. If unauthorized personnel enter the work area, the attendant will notify the entrants as well as the entry supervisor. If the attendant also functions as the entry supervisor, then the department supervisor and the Winston Contracting will be notified.
- Coordinate rescues. When an entrant is overcome, the attendant will order all entrants from the PRCS, summon help and coordinate all rescue efforts. The attendant will begin rescue efforts from outside the PRCS prior to the arrival of the emergency rescue team. The attendant will use available mechanical retrieval systems to perform a non-entry rescue. **Under no circumstances will the attendant ever enter the PRCS.**

ENTRY SUPERVISOR

The entry supervisor is responsible for the enforcement of the confined space entry procedures. The entry supervisor will remain at the confined space site at all times during entry operations (before, during and exiting the space). The entry supervisor can serve as both the entry supervisor and the attendant. The responsibilities of the entry supervisor are:

- Know the hazards that may be faced during entry, including information on the mode, signs or symptoms, and consequences of the exposure
- Verifies, by checking that the appropriate entries have been made on the permit, that all tests specified by the permit have been conducted and that all procedures and equipment

specified by the permit are in place before endorsing the permit and allowing entry to begin

- Terminates the entry and cancels the permit when entry operations covered by the entry permit have been completed or when a condition that is not allowed under the permit arises in or near the permit space
- Verifies that the rescue services are available and that the means for summoning them are operable
- Removes unauthorized individuals who enter or who attempt to enter the permit space during entry procedures
- Determines, whenever responsibility for a permit space entry operation is transferred and at intervals dictated by the hazards and operations performed within the space, that entry operations remain consistent with terms of the entry permit and that acceptable entry conditions are maintained

AUTHORIZED ENTRANTS

All authorized entrants will:

- Know the hazards that may be faced during entry, including information on the mode, signs, or symptoms, and consequences of the exposure
- Properly use equipment specified on the entry permit including air monitoring equipment, ventilating equipment, communications equipment, personal protective equipment, lighting equipment, barriers and shields, fall protection equipment, equipment such as ladders needed for safe ingress and egress and any other equipment necessary for safe entry into and rescue from PRCs
- Communicate with the attendant as necessary to enable the attendant to monitor entrant status and to enable the attendant to alert entrants of the need to evacuate the space whenever a prohibited condition occurs (when a condition not allowed on the entry permit occurs, when noticing a behavioral change in an entrant, when an uncontrolled hazard within the PRCs occurs, when there is a condition outside the PRCs that could endanger the entrants within the work area, or when the attendant must leave his post in the event another PRCs monitored by the attendant has an emergency)
- Alert the attendant whenever the entrant recognizes any warning sign or symptom of exposure to a dangerous situation or when the entrant detects a prohibited condition
- The entrant will exit from the space as quickly as possible whenever an order to evacuate is given by the attendant or the entry supervisor; whenever the entrant recognizes any warning sign or symptom of exposure to a dangerous situation; whenever the entrant detects a prohibited condition; and whenever an evacuation alarm is activated

HAZARD EVALUATION

Conditions in the area of the entrance to the confined space can directly affect the safety of the personnel in the confined space. The area around the entrance to the confined space (tanks) must be surveyed by entry personnel to detect any hazards. The survey, at a minimum, will include:

- Potential for discharge of fumes or exhaust near the entrance
- Fire potential in the area of the entrance

- Potential for a sudden flow of water or liquid into or through the confined space
- Traffic and pedestrian right of way interference
- Any other physical hazard which could adversely affect the safety of the persons entering the confined space

Any problems or unusual conditions will be reported to the proper authority (both the supervisor and the Winston Contracting) and corrected prior to entering the confined space.

STANDARD OPERATING PROCEDURES

When covers of manways or other floor openings are removed, the opening will be constantly attended and promptly guarded by a suitable barrier or temporary cover to prevent an accidental fall of persons or objects through the opening. A suitable barrier will consist of a top rail 42 inches in height, intermediate rail, toeboard, and posts (refer to OSHA 1910.23 (e)).

Where access into the confined space is through a manway or floor opening, loose objects will be kept at least 4 feet away from the opening to prevent inadvertent dropping of objects into the opening.

Where manway rungs are used for entry into, and exit from, the confined space, the condition of the rungs and the suitability for use will first be evaluated.

Mechanical retrieval devices that can lower, raise, and arrest the fall of personnel, will be available and used for each tank entry, unless the retrieval equipment increases the overall risk of entry or does not contribute to the rescue of the entrant.

Persons involved in the confined space entry operation will familiarize themselves with the physical characteristics of the confined space prior to entry. The confined space will also be visually inspected as much as possible before entry. Visible hazards to consider include:

- The existence of electrical wiring or equipment
- The existence of drop-offs, holes, or slippery or uneven surfaces
- The presence of moving or fixed mechanical apparatus
- The presence of any toxic, flammable, or otherwise dangerous substance which may adversely affect the safety of employees

Cylinders of compressed gases, other than those for breathing apparatus, will never be taken into a confined space, and will be turned off at the cylinder valve when not in use. All compressed gas hoses and equipment will be removed from the confined space when not in use.

Lighting in PRCs will be adequate for the work being performed and will comply with the requirements set forth in the electrical section of this program.

The use of jackhammers, heavy trucks, and other heavy equipment in the area immediately adjacent to the petroleum storage tanks is prohibited.

Temperature, noise, vibration, and other physical hazards will be identified and adequate precautions will be taken to protect the entrants in the tanks.

Sufficient passageways for entry and exit will be maintained during PRCS entry operations.

Smoking in or around the tanks or other PRCSs is **PROHIBITED**.

HOT WORK (welding, burning, open flames or spark-producing operations) is highly hazardous. No hot work will be performed at the site.

Hand tools will be in good repair, explosion proof and spark proof.

All ignition sources will be removed prior to entry.

EQUIPMENT

The equipment used for the confined space operations includes:

- Direct-reading, 4-gas air monitor (Crowcon Triple Plus) capable of simultaneously measuring oxygen, combustible gases, carbon monoxide and hydrogen sulfide
- Explosion-proof ventilating equipment that provides positive pressure ventilation
- Communications equipment
- Intrinsically safe flashlights and other lighting equipment so employees can see well enough to work safely and exit the space quickly in an emergency
- Barriers and shields
- Rescue and emergency equipment
- Personal protective equipment
- Equipment such as ladders needed for safe ingress and egress
- Any other equipment necessary for safe entry into and rescue from PRCSs

ELECTRICAL EQUIPMENT

Any electrical equipment used in or around the petroleum storage tanks will be of the heavy duty type and visually inspected before each use. All ground circuits and conductors will be checked before electrical equipment is to be used in or around the tanks.

Electrical equipment will be used in accordance with applicable provisions of the National Electrical Code.

Electrical equipment will be free of defects. Cords will be free of splices.

All electrical equipment used in or around the tanks, including the blower, will be explosion-proof.

Air-driven tools will be used in place of electric tools where flammable liquids are, or have been, present. In such cases, other precautions must also be taken. The use of air tools will reduce, not eliminate, the risk of fire or explosion.

To protect against electrical shock, all line voltage (120 volts or greater) equipment will be protected by an approved ground fault circuit interrupter (CGFI).

The use of low-voltage equipment with step-down transformer is recommended. Low voltage electrical equipment significantly reduces the risk of a serious electrical shock.

Where necessary by the nature of the work being performed, adequate bonding and grounding precautions will be taken to reduce the risk and effects of static electricity accumulation and discharge.

Lighting used in and around the tanks will be explosion-proof, and where applicable, equipped with guards to prevent accidental contact with the bulb.

Working spaces, walkways, and similar locations will be kept clear of cords so as not to create a hazard to employees.

Temporary lights will not be suspended by their electrical cords unless the cords and lights are designed for this means of suspension.

STORAGE AND MAINTENANCE OF EQUIPMENT

Store all materials subject to damage off the ground, away from wet or damp surfaces, and under cover sufficient to prevent damage or contamination.

Equipment will be inspected prior to use and according to the manufacturer's recommendations. Checklists for air monitors, harnesses, fall protection systems are attached as **APPENDIX G**.

A sufficient quantity of all types of materials, tools and equipment for confined space entry will be maintained.

LOCKOUT/TAGOUT

The petroleum storage tanks and any other PRCS will be isolated (locked out) from energy sources (electrical, fluid, mechanical, stored, etc.) prior to entry. Isolation must be achieved by closing off or disconnecting by means of closing valves and locking and tagging, or by blanking and tagging. Certain lockout operations which have to be conducted after entry will be specified on the permit. If blocking and/or isolation requires entry into the PRCS, all provisions specified on the permit must first be met.

Electrical equipment or wiring which may create a hazard will be de-energized, locked, and tagged.

Mechanical equipment or apparatus which may create a hazard in the PRCS will be disconnected or disabled, and blocked and locked to prevent movement.

All pumps and lines which may cause contaminants or fluids to flow into the PRCS will be disconnected, blinded and locked out, or effectively isolated by other means to prevent engulfment or the development of a hazardous atmosphere. Solid plates (such as a spectacle blind or a skillet blind) used for the absolute closure of a pipe, line, or duct will completely cover the bore and be capable of withstanding the maximum pressure of the pipe, line, or duct with no leakage beyond the plate.

Padlocks with keys will be provided and used for isolation and lockout. Where more than one lock is required, a hasp will be used to hold multiple locks. The only key to each lock will be in the possession of each individual authorized entrant at all times.

Prior to starting work, the entry supervisor will verify that de-energizing or isolation has been accomplished.

At the completion of the PRCS work, the entry supervisor will ensure that all isolated systems are returned to service.

ATMOSPHERIC MONITORING

Atmospheric testing is required to evaluate the hazards of the PRCS and to verify that acceptable entry conditions exist prior to entry and are maintained while the PRCS is occupied. The atmosphere of a confined space will be analyzed with calibrated, direct-reading, intrinsically safe air monitors. The air monitor in use is the Crowcon Triple Plus 4-Gas air monitor (oxygen, combustible gas, carbon monoxide, and hydrogen sulfide). These air monitors are equipped with both audible and visible alarms to signal the existence of a hazardous condition. These air monitors will be calibrated weekly by the HSO. Written records of equipment calibration will be maintained by Winston Contracting.

The HSO or entry supervisor will conduct the appropriate field checks (attached in Appendix F) including checking the pump, zeroing in clean air, and checking the alarms and meter readings with span gas prior to each entry.

Field calibration of the monitor for LEL, oxygen, hydrogen sulfide and carbon monoxide

Zero adjustment of the monitor for LEL, oxygen, hydrogen sulfide and carbon monoxide

Field testing of the monitor alarms to verify an audible and visual warning when contaminant levels reach or exceed 10% LEL, 10 PPM hydrogen sulfide, 35 PPM carbon monoxide, and when the oxygen levels are outside the range of 19.5 to 23.5 percent

Testing of the monitor's remote air pump system and related tubing to verify its integrity

The confined space atmosphere will be monitored in the following order:

- Prior to removal, the area around and in the manway cover, using remote sampling methods
- Prior to ventilating (must be less than 50% LEL)
- After ventilating the tank for sufficient time to provide 10 air changes in the PRCS, and prior to entry
- During worker entry of the tanks
- Continuously while the tanks are occupied

The petroleum storage tanks will be monitored at various levels because there may be stratified atmospheres. The atmosphere should be tested at the bottom, middle and top of the space.

Readings will be recorded every 15 minutes on the posted permit in the space provided adjacent to the stipulated acceptable entry conditions.

Acceptable entry conditions will be met and the atmosphere around and inside the confined space must meet the following conditions prior to entry and while the confined space is occupied:

- Atmospheric oxygen must be between 19.5 percent and 23.5 percent
- Flammable gas, vapor, or mist less than 10 percent of its Lower Flammable Limit

- Airborne combustible dust less than its Lower Flammable Limit (This concentration may be approximated as a condition in which the dust obscures vision at a distance of 5 feet or less).
- Carbon monoxide less than 35 Parts Per Million (PPM)
- Hydrogen sulfide less than 10 PPM
- No other atmospheric condition that is immediately dangerous to life or health (IDLH)

Whenever there is an alarm condition, all entrants will immediately exit the PRCS. Work will discontinue until the Winston Contracting has been notified and appropriate steps have been taken so that entry conditions are acceptable. Reentry will not occur until the alarm conditions have been evaluated, a new permit has been issued, and the alarm conditions have been successfully controlled or eliminated.

VENTILATION

Ventilation of the petroleum storage tanks will be conducted to ensure employee safety.

Air monitoring with the 4-gas direct-reading, calibrated monitor (the Crowcon Triple Plus) will be done prior to ventilating the space. The space will not be ventilated if the air monitor shows more than 50% of the Lower Flammable Limit (LEL). Readings of 50% of the LEL will be immediately reported by the entry supervisor to the HSO and the Project Manager.

The duration of ventilation prior to entry will be determined by the capacity of ventilation equipment and the size of the confined space. Prior to entry, the blower will be run so that a minimum of 10 air changes has been provided to the space. After the 10 air changes and prior to entry, the confined space will be monitored to verify that acceptable entry conditions exist. After that, there should be 6 air changes per hour.

For example: Tank #1 22'x50'x75' = 82,500 cubic feet

825,000 cubic feet x 10 air changes = 825,000 cubic feet

If the blower provides 8000 cubic feet per minute, then, 825,000/8000 or 103 minutes is required (almost 2 hours to adequately ventilate the space prior to entry).

Mechanical ventilation systems will be set at 100% outside air.

Adequate **positive** ventilation of the confined space will be maintained at all times when the space is occupied. Short circuiting of airflow will always be avoided.

Ventilation air will be clean and uncontaminated. The air coming out of the supply duct of the blower will be monitored with a direct-reading, calibrated air monitor to ensure that it is clean and uncontaminated. Oxygen or compressed air will never be used for ventilation of a confined space.

Air and ventilation ducts should not inhibit the means of ingress into or egress from the confined space. Saddle vents will be used if the ventilating duct blocks the exit from the confined space.

RESCUE AND EMERGENCY SERVICES

Fall Protection/Retrieval Systems:

To facilitate non-entry rescue, a mechanical retrieval system will be used whenever an authorized entrant enters one of the tanks, unless the retrieval equipment would increase the overall risk of entry or would not all contribute to the rescue of the entrant.

The fall protection and retrieval system must be certified by the manufacturer as man-rated and all parts of the system must withstand 5000 pounds of force, without cracking, breaking, or taking a permanent deformation. The system will include at a minimum a winch, a separate retractable lifeline, and full body harnesses worn by each worker. The winch system will not be utilized nor will it be used for the movement of any objects, equipment, or machinery.

Each authorized entrant will be equipped with a full body harness (Type III, ANSI-approved), with a retrieval line attached at the center of the entrant's back near shoulder level.

The other end of the retrieval line will be attached to a tripod outside the tanks in such a manner that rescue can begin as soon as the attendant becomes aware that rescue/retrieval is necessary.

All personnel on the confined space entry team (authorized entrants, standby attendants, and entry supervisors) will be adequately trained in retrieval procedures.

In any situation where the mechanical retrieval/fall protection system may endanger the entrant, its use will be discontinued.

Rescue Procedures

A means of communication will be maintained between the standby attendant and the authorized entrants inside the PRCS. At no time will the standby attendant enter the PRCS. The New Jersey _____ will provide emergency rescue services and will be notified before entry operations are conducted. Communications with the emergency rescue service will be via two-way radio, telephone, or cellular phone.

Winston Contracting will provide the emergency rescue service with the following:

- The site map
- Information regarding the characterization of hazards in the tanks

Certain injuries may make it necessary to breach a tank or other structure rather than risk additional injury by removal through an existing manway. However, the entry supervisor will ensure that no breaching procedure used for rescue would violate the conditions of the entry permit. For example, if a tank must be breached by cutting with a torch, the tank surfaces to be cut must be free of volatile or combustible coatings within 4 inches (10.16 centimeters) of the cutting line and the atmosphere must be below the LEL.

ENTRY PROCEDURES (made into a separate fact sheet, P. 31)

1. Get the permit and make sure all equipment has passed inspection
2. Assign jobs
3. Turn on the air monitor
4. Zero and field check the air monitor
5. Monitor around the manway prior to opening the manway cover
6. Lock out all systems, electrical lines and pipes. This will be stated on the permit.

7. Set up the fall protection system. There must be a winch that can raise and lower entrants, and there must be a secondary fall protection system called a retractable lifeline. For example, an entrant is connected to the winch lifeline and climbing up a ladder with slack in the winch lifeline. The worker could fall and there would be no fall protection line to arrest his fall. The man-rated winch cannot be used to raise or lower equipment, unless it is specifically approved for this by the manufacturer. Even if it is approved, it is not recommended.

7. Test the air before ventilating. Monitor the bottom, middle and top of the space. Let the monitor test the air for several minutes at each level. Do not ventilate if the meter reads 50% (of the) LEL or more. The space could have a very high level of flammable vapors or gases, even though the meter says only 50% of the LEL. A concentration too rich to burn will then explode or burn if air is introduced which then brings the concentration of vapors and gases into the flammable/explosive range. Contact the Project Manager and HSO for further instructions. Ventilate only if the reading is less than 50% (of the) LEL. Acceptable entry conditions are:

Oxygen readings must be between 19.5% and 22%
LEL readings must be less than 10%
Hydrogen sulfide must be less than 10 PPM
Carbon monoxide must be less than 35 PPM

8. Set up and run the blower. Monitor the air coming out of the blower to ensure it is not picking up any contaminants such as carbon monoxide. Make sure there are 10 air changes of the space prior to any entries.

Put the hose of the blower almost as far as you can without touching the bottom of the space. Use an explosion-proof blower and connect it to a Ground Fault Circuit Interrupter.

9. Test the air again. There must be less than 10% (of the) LEL before entry can occur. However, there should be no reading on the LEL if the ventilation is effective.

10. Run the blower while entrants are in the space. Ideally there should be 6 air changes per hour. (This will take a long time for some of the tanks unless the blower has a huge capacity). Do not block egress from the manway. A saddle vent can be used which allows the entrants to enter and exit the space without moving the hose.

11. The entry supervisor will sign the permit after acceptable entry conditions specified on the permit are met.

12. The permit is posted at the entrance to the tank.

13. The tank entrants, suited up in Level B, tighten the harness and hook up to the lifeline.

14. The entrant should put on any tools and the air monitor unless the attendant will monitor the air from above.

15. The entrant will step into the opening and talk to the standby worker as he goes down.

16. All entrants will evacuate if: the monitor's alarm goes off, there is an unacceptable condition, or when the standby attendant gives the order to leave.

15. HAZARD COMMUNICATION STANDARD

Under the OSHA Hazard Communication Standard (29 CFR 1910.1200) Winston Contracting will make available a written hazard communication program and a list of hazardous chemicals. All employees will be briefed on this program.

Material Safety Data Sheets (MSDSs)

Copies of Material Safety Data Sheets (MSDSs) for hazardous materials known or suspected (petroleum #2 and #6 fuel oil) to be on site will be maintained in the Command Post. There will also be MSDSs for any hazardous products used on site. MSDSs will be available to all employees for review during each work shift.

Container Labeling

All containers received on site will be inspected to ensure that they are:

- clearly labeled as to the contents
- have the appropriate hazard warnings (Ex: flammable/combustible)
- the name and address of the manufacturer

All secondary containers will be labeled with either an extra copy of the original manufacturer's label or with generic labels which have a block for the identity and the hazard warning.

Employee information and training

Hazard communication will be part of some of the daily safety briefings. Employees will receive information on the standard, how it is implemented at the site, the physical and health effects of the chemicals to which they may be exposed, methods and observations to detect a hazardous release, what engineering controls, work practices and PPE are used to minimize exposure and how to read MSDSs and labels.

16. DISCLAIMER

This document has been prepared by Chris Proctor, Certified Industrial Hygienist, and was developed based on limited information made available for the site and does not address every potential hazard that may exist.

EMERGENCY TELEPHONE NUMBERS

Winston Contracting Office	(718) 445-4232
Joseph L. Sceppa's 24-hour number	
Russell Graichen's 24-hour number	
NYSDEC: Anthony Sigona	(718) 482-4933 X7110
NYC Police Department	(718) 834-3211
NYC Fire Department	911
NYC Fire Department in Brooklyn	(718) 636-1700 or (718) 999-4444
Woodhull Hospital, 720 Flushing Avenue Brooklyn, NY 11202	(718) 963-8000
United States Coast Guard	(212) 668-7920
EPA Emergency Response Team	(908) 321-6660
National Response Center	(800) 424-8802
Center for Disease Control	(404) 488-4100
CHEMTREC	(800) 424-9300
NYSDOT/Bureau of Spill Response	(518) 457-7362
NYSDEC/Emergency Response Releases	(518) 457-2222
Local Emergency Response Planning Committee	(800) 457-7362

TANK ENTRY PROCEDURES

1. Get the permit and make sure all equipment has passed inspection
2. Assign jobs
3. Turn on the air monitor
4. Zero and field check the air monitor
5. Monitor around the manway prior to opening the manway cover
6. Lock out all systems, electrical lines and pipes. This will be stated on the permit.
7. Set up the fall protection system. There must be a winch that can raise and lower entrants, and there must be a secondary fall protection system called a retractable lifeline.
7. Test the air before ventilating. Monitor the bottom, middle and top of the space. Let the monitor test the air for several minutes at each level. Do not ventilate if the meter reads 50% (of the) LEL or more. The space could have a very high level of flammable vapors or gases, even though the meter says only 50% of the LEL. A concentration too rich to burn will then explode or burn if air is introduced which then brings the concentration of vapors and gases into the flammable/explosive range. Contact the Project Manager and HSO for further instructions. Ventilate only if the reading is less than 50% (of the) LEL. Acceptable entry conditions are:
 - Oxygen readings must be between 19.5% and 22%
 - LEL readings must be less than 10%
 - Hydrogen sulfide must be less than 10 PPM
 - Carbon monoxide must be less than 35 PPM
8. Set up and run the blower. Monitor the air coming out of the blower to ensure it is not picking up any contaminants such as carbon monoxide. Make sure there are 10 air changes of the space prior to any entries.

Put the hose of the blower almost as far as you can without touching the bottom of the space. Use an explosion-proof blower and connect it to a Ground Fault Circuit Interrupter.
9. Test the air again. There must be less than 10% (of the) LEL before entry can occur. However, there should be no reading on the LEL if the ventilation is effective.
10. Run the blower while entrants are in the space. Ideally there should be 6 air changes per hour. (This will take a long time for some of the tanks unless the blower has a huge capacity). Do not block egress from the manway. A saddle vent can be used which allows the entrants to enter and exit the space without moving the hose.
11. The entry supervisor will sign the permit after acceptable entry conditions specified on the permit are met.
12. The permit is posted at the entrance to the tank.
13. The tank entrants, suited up in Level B, tighten the harness and hook up to the lifeline.

14. The entrant should put on any tools and the air monitor unless the attendant will monitor the air from above.

15. The entrant will step into the opening and talk to the standby worker as he goes down.

16. All entrants will evacuate if: the monitor's alarm goes off, there is an unacceptable condition, or when the standby attendant gives the order to leave.

TEST RESULTS FOR ASBESTOS



DIVISION OF SAFETY AND HEALTH
Public Employee Safety and Health Bureau

Date: 4/21/94

Address Reply To:
U.S. Department of Labor
Division of Safety & Health
One Main Street, Rm. 867
Brooklyn, NY 11201

Anthony Signoa
Engineer Region 2 Office
NYS DEC
47-40 21st St
LIC, NY 11101

Date(s) of Visit:

April 11, 1994

Dear Public Employer:

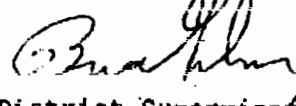
Enclosed is a report on our findings which were discussed at the closing conference. If you would like further assistance in correcting the hazards which we have identified, do not hesitate to get in touch with us.

We particularly call your attention to the hazards which are identified with an "S". These are situations which in our opinion on an enforcement inspection would be classified as serious. It is important for your own benefit as well as for the protection of your employees that these conditions be corrected in accordance with the abatement plan discussed at our closing conference.

In the event of an inspection by the independent enforcement branch of this Bureau, the PESH Inspector will not be legally bound by the advice given herewith or by the failure of the State Consultant to point out a specific hazard. You may, but you are not required to, furnish a copy of this report to the inspector, and your decision not to provide such a copy shall not give rise to an inference of bad faith.

As soon as all serious hazards have been eliminated, please complete and sign the duplicate copy of this letter and return it to us in the enclosed envelope. As noted above, we would be happy to assist you in whatever way possible to eliminate these hazards and to make your workplace as safe and healthful as possible.

Very truly yours,


District Supervisor

Enclosure

EMPLOYER'S REPLY

The hazards identified in your report with an "S" have been eliminated in accordance with the plan developed at the closing conference.

Name of Establishment _____ ID Number _____

Name and Title _____

Signature _____ Date _____

Report of Industrial Hygiene Consultation Visit

Date of visit:

April 11, 1994

Premises:

**NYS Dept. of
Env. Conservation
200 Morgan Ave.
New York, NY 10032**

Consultant:

Alexander Khelem

In response to request of Anthony Sigona, Environmental Engineer I, an industrial hygiene consultation was conducted to survey the presence or absence of asbestos at 200 Morgan Ave. site. An opening and closing conferences were held with Mr. Anthony Sigona, Engineer Region 2, who accompanied the consultant on the site survey.

It was stated by the employer that NYS DEC employees supervise's site remediation. The project to make abandon oil tanks ~~gas~~ free of fuel vapor is in the initial stage. The work is performed by a private contractor.

Bulk samples for asbestos were taken from the following locations:

- 1 - Office ceiling tiles;
- 2 - Steam pipe insulation at tank # 2 gate valve;
- 3 - Heat exchanger insulation above fuel oil loading rack.

Samples were analysed by an independent laboratory accredited by the American Industrial Hygiene Association. The results of the analysis are given below:

Samples no.	Asbestos content %	Asbestos type
1	Not Detected	
2	50	Crysotile
3	35 20	Amosite Crysotile

The analysis indicated that the insulation on a steam pipe and on a heat exchanger contains asbestos. The insulation has to be abated before any demolition or remediation project that will involve disturbing this type of material is started. The contractor shall be responsible for following all local, state and federal laws dealing with asbestos.

It was stated by the employer that site Safety and Health plan will incorporate information on the analysed samples. During the closing conference management was informed that consultation findings and a written report are forthcoming.

CONFINED SPACE REPORT (SAMPLE)

CONFINED SPACE PRE-ENTRY CHECKLIST

LOCATION _____ DATE _____ TIME _____

ENTRY SUPERVISOR _____ PHONE _____

Mark the appropriate column: <u>X</u> Yes, <u>X</u> No, or <u>X</u> N/A Not Applicable.	Yes	No	N/A
1. Is a "DANGER CONFINED SPACE" sign posted to identify the site as requiring a confined space entry permit to occupy the area?			
2. Is a written permit space entry program developed and implemented that complies with Section 1910.146(c)(4)?			
3. Is the written program available for inspection by employees and their representatives?			
4. Have all ENTRANTS been provided training and acquired the understanding, knowledge and skills necessary for the safe performance of the duties assigned in Section 1910.146(h)?			
5. Have all ATTENDANTS been provided training and acquired the understanding, knowledge and skills necessary for the safe performance of the duties assigned in Section 1910.146(i)?			
6. Have all ENTRY SUPERVISORS been provided training and acquired the understanding, knowledge and skills necessary for the safe performance of the duties assigned in Section 1910(j)?			
7. Is the only hazard an actual or potential hazardous atmosphere?			
8. Will continuous forced air ventilation alone be sufficient to maintain the permit space safe for entry?			
9. Has monitoring and inspection data been developed to eliminate the hazardous atmosphere through forced air ventilation?			
10. Has the permit space been isolated?			
11. Have steps been taken for purging, inerting, flushing or ventilating the permit space to eliminate or control atmospheric hazards?			
12. Is monitoring available to verify that conditions are acceptable for entry throughout the duration of an authorized entry?			
13. Are employees trained on how to maintain and properly use testing and monitoring equipment?			



Mark the appropriate column: X Yes, X No, or X N/A Not Applicable.

Yes No N/A

14. Is ventilating equipment needed to obtain acceptable entry?			
15. Is communication equipment necessary and available for use between attendant and entrant?			
16. Are the entrants provided with personal protective equipment to be adequately protected insofar as feasible engineering and work practice controls allow?			
17. Has adequate lighting equipment been supplied to allow a safe work area and allow a quick exit in an emergency?			
18. Has the area been secured with barriers and shields from pedestrian, vehicle or other barriers to protect the entrants from external hazards?			
19. Is the confined space provided with equipment, such as ladders, needed for safe ingress and egress by authorized entrants?			
20. Is there other training, equipment or services needed to provide safe confined space entry?			

SAFETY EQUIPMENT CHECKLIST

___ Safety Harness
with Attached Life Lines

___ Respirator and type

___ Hard Hat

___ Eye Protection

___ Hand Protection

___ Ear Protection

___ Foot Protection

___ Protective Clothing

___ Ventilator

___ Resuscitator

___ Communications Equipment

___ Gas Tester with Alarms

___ Other (specify) _____

GAS TESTS TAKEN

GAS	PERMISSIBLE ENTRY LEVEL	YES	NO	INSTRUMENT USED	ACTUAL READING	TESTED BY
1. Oxygen %	19.5% to 23.5%					
2.						
3.						
4.						
5.						
6.						
7.						
8.						
9.						
10.						

Calibrated direct-reading instruments used to test confined space atmosphere:

1. Name _____ Name _____
 Make _____ Make _____
 Serial No. _____ Serial No. _____
 Last Calibration Date _____ Last Calibration Date _____

RESCUE AND EMERGENCY SERVICES

1. Contacts in the event of an emergency include name and telephone number.

A. _____ C. _____

 B. _____ D. _____

2. Rescue services available for this confined space entry.

____ employee _____ outside rescue service

3. Rescue Equipment available:

____ Oxygen _____ Chest/full body harness
 ____ Resuscitator - Inhalator _____ Retrieval line properly installed
 ____ First Aid Equipment _____ Wristlets when it is the safest and
 ____ De-Fibrillator most effective alternative

Additional rescue equipment available _____

NOTES

This is an example only of a CONFINED SPACE PRE ENTRY CHECKLIST. The actual Pre-Entry Checklist you will use depends on the atmospheric and physical hazards of that particular confined space. All regulations for that permit are addressed in 29 CFR Part 1910 Permit-Required Confined Spaces for General Industry; Final Rule.



This is an example of a **CONFINED SPACE ENTRY PERMIT**. The actual entry permit you will use depends on the atmospheric and physical hazards of that particular confined space. All regulations for that permit are addressed in 29 CFR Part 1910.146 Permit-Required Confined Spaces for General Industry; Final Rule.

CONFINED SPACE ENTRY PERMIT

1. Permit Space To Be Entered			
2. Purpose of Entry			
3. Date of Entry	Authorized Duration of Entry Permit		
4. Authorized Entrants			

5. Attendants(s) _____

6. Name of Current Entry Supervisor(s) 1. _____ Time _____

2. _____ Time _____

Entry Supervisor who Originally Authorized Entry _____

Signature or Initials

7. Record hazards of the permit space to be entered.				8. Check or list the measures used to isolate the permit space and to eliminate or control permit space hazards before entry.
Hazard	Yes	No	N/A	
A. Lack of Oxygen				<input type="checkbox"/> A. Purge-Flush and Vent
B. Combustible Gases				<input type="checkbox"/> B. Ventilation
C. Combustible Vapors				<input type="checkbox"/> C. Lockout/Tag Out
D. Combustible Dusts				<input type="checkbox"/> D. Inerting
E. Toxic Gases				<input type="checkbox"/> E. Blanking, Blocking, Bleeding
F. Toxic Vapors				<input type="checkbox"/> F. External Barricades
G. Chemical Contact				<input type="checkbox"/> G. Confined Space Identification/Signs
H. Electrical Hazards				
I. Mechanical Exposure				
J. Temperature				
K. Engulfment				
L. Entrapment				
M. Others				

DO NOT DESTROY THIS PERMIT
AFTER CANCELLATION THIS ENTRY PERMIT MUST BE RETAINED
BY EMPLOYER FOR AT LEAST ONE YEAR.

9. Acceptable Entry Conditions

11. Rescue and Emergency Services Available:

12. Communication procedures to be used by authorized entrants and attendants.

13. Equipment supplied to the employee.

14. Other information for this particular confined space to ensure employee safety.

15. Additional Permits Required. ☐ Hot Work ☐ Other

THIS CONFINED SPACE ENTRY PERMIT HAS BEEN CANCELLED:

BY _____ AM
 _____ PM
 Entry Permit Supervisor Time Date

PHOTOGRAPHS



Front View of Job Site
Fencing Installed



Waterway Behind
Boiler room and to side
of Loading Rack



Waterway between oil
terminal and scrap
yard



Broken glass, office
windows boarded up
for safety



Loading of sludge
in bucket #1



Reinforcing bars in
Tank #1



Crane lowering sludge
bucket into tank #1



Crane and Haz. waste
container for sludge
from Tank #1



Equipment Trailer



Top of Loading Rack
Pipe encapsulated
exposed asbestos



Building of safety
ring around opening
of Tank #1



Tripod used for
personnel entering
Tank #1

VIDEO TAPE

(stored separately)

**VIDEO
TAPE
INCLUDED
(VHS)**



TANK REMOVAL REPORT
MORGAN TERMINAL
200 MORGAN AVE.
BROOKLYN, NEW YORK

Prepared for

English Kills Ventures, LLC
5014 16th Avenue - Suite 110
Brooklyn, New York 11219

GeoQuest Project No. 1531

May 30, 2013

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1.0 INTRODUCTION

GeoQuest, Inc. (GeoQuest) has completed this Tank Removal Report (TRR), on behalf of English Kills Ventures, LLC (EKV) to document activities related to the removal of seven bulk oil storage tanks from the 200 Morgan Avenue in Brooklyn, New York property (a.k.a. "Morgan Terminal", the "site", or the "subject property"). The total combined storage capacity of the seven tanks was approximately 2,007,777 gallons.

1.1 Background

Two large, multi-tank complexes were constructed on the subject property in 1943. For the purposes of this report, the complexes will be known as "The Eastern Tank Complex" and "The Southern Tank Complex". The Eastern Tank Complex consisted of two bulk storage tanks (Nos. 6 and 7). This complex was decommissioned and the tanks removed in July 2011. The Southern Tank Complex consisted of five bulk storage tanks (Nos. 1, 2, 3, 4, and 5). The Southern Tank Complex was decommissioned and the tank removals were completed in May 2013. This report documents the processes and actions completed to remove those seven tanks from the subject property. It is also intended to document the post-removal condition of the property as a basis for determining what additional actions may be necessary.

1.2 Project Schedule

This report documents the removal of seven bulk oil storage tanks from the subject property, and is being submitted for review and acceptance by the New York State Department of Environmental Conservation (NYSDEC). Completion of this removal effort represents a significant milestone in the cleanup process for this property. Upon acceptance of this TRR by the NYSDEC, GeoQuest will submit a Remedial Investigation Work Plan (RIWP) and Implementation Schedule (IS) for NYSDEC review. The RIWP will also serve as a Site Assessment Proposal in compliance with the requirements for the permanent closure of the Major Petroleum Facility License No. 2-1500.

Following the review/acceptance of this TRR, appropriate forms will be submitted, as requested by the NYSDEC, including: 1) an update of the *Major Petroleum Facility License* showing the current status of the tanks as "Closed - Removed", 2) a filing of a *Petroleum Bulk Storage (PBS) Notification for Tank Installation, Closing, Repair or Reconditioning* form showing the tanks as "Closed and Removed", and 3) the RIWP and IS.

2.0 SITE DESCRIPTION AND HISTORY

2.1 Site Description

The subject property is located at 192-200 Morgan Avenue in Brooklyn, New York. The English Kills Waterway borders the north and east sides of the site. Morgan Avenue and commercial/industrial buildings border the west and south sides of the site, respectively.

The site consists of approximately 1.486 acres and is currently developed with two buildings totaling approximately 3,900 square feet. At one time, a total of more than 2 million gallons of fuel oil storage capacity was located on the site. Until recently, the site contained two large bunkered (covered with soil) tank complexes. One large bunkered tank complex, identified as the Eastern Tank Complex, housing two large, bulk fuel oil, underground storage tanks (USTs) with an approximate combined capacity of 800,000 gallons, was removed in 2011, the other large bunkered tank complex, identified as the Southern Tank Complex, housing five large, bulk fuel oil USTs with an estimated combined capacity of 1,200,000 gallons, was removed this year (2013). A site plan showing site features is attached.

Historically, the site has been occupied by a coal company, an asphalt company, a concrete company, a coal and oil company, and recently, by Morgan Oil Company, which ceased operations in 1991. Currently on site, are a piling contractor, a specialty wood working company and a bus company. In 1994, under the direction of the NYSDEC, the seven bulk storage tanks were emptied of any residual content and cleaned by Winston Contracting (WC) of Commack, New York. The contracted clean-up work commenced on April 19, 1994 and was completed on January 12, 1995. During the cleanup, all seven bulk storage tanks were emptied, cleaned, inspected, and reported to be sound. Also in January, 1995, the seven smaller USTs on the site were opened, the contents were vacuumed out, and all seven tanks were reported as cleaned.

2.2 Physical Setting

Based on observations completed through subsurface investigations on the property, it appears that fill-type materials (fine to medium grained sand, pebbles, silt, brick, concrete, etc.) are present on the property to depths of up to twelve feet below grade. A peat layer, consisting of soft to medium compacted peat and organic materials, is present beneath the fill materials (approximately 12 feet below grade). Groundwater was generally encountered between two and six feet below grade.

3.0 TANK REMOVAL ACTIVITIES

The seven bulk fuel oil tanks, which are the subject of this report, were formerly utilized for the storage of #2, #4, or #6 fuel oil. Each was constructed of steel plates on concrete and wooden pilings. The tanks were fabricated on the site from individual steel plates with welded seams. The tank structures were supported with internal steel angle brackets welded into a rigid pattern.

Soil was placed on the exterior of the tanks to create "bunkers", and appeared to consist of the same fill-type materials underlying the property. With respect to the Eastern Tank Complex, the eastern and western sides of the tanks were covered with soil that sloped from the top of the complex to grade, with no other containment. Soil on the northern and southern sides of the tanks was contained by coffer dams constructed of concrete. With respect to the Southern Tank Complex, the entire complex was surrounded by reinforced concrete filled with soil.

An extensive network of piping and valves, supported by steel-work, was utilized for the transfer of oil on the site (and to and from the barge loading areas). All piping, valves, a steel bridge between the complexes, and steel related to the three delivery truck loading docks was removed and recycled.

Each of the seven bulk storage tanks removed from the site were de-constructed in much the same manner. The process was largely completed as follows:

- 1) Confirmation that no residual product or vapors remained in the tank,
- 2) Opening of the tank,
- 3) Removal of steel panels from support brackets, and cutting the steel into manageable sizes,
- 4) Transportation of the steel for off-site recycling.
- 5) Backfilling. Both the Eastern and Southern Tank Complexes were constructed approximately 4 feet below grade. On-site soil, including bunkering materials, was utilized to backfill the excavations.

The seven tanks were removed in the following chronological order; Tank No. 6 (416,122-gallons), Tank No. 7 (243,778-gallons), Tank No. 1 (647,088-gallons), Tank No. 2 (70,911-gallons), Tank No. 3 (54,857-gallons); Tank No. 4 (67,001-gallons), and Tank No. 5 (507,940-gallons).

During the removal of the tank bottom plates, small quantities of free product were occasionally observed on groundwater. When encountered, the oil was collected using oil absorbent materials and placed into a drum for off-site disposal. As the tanks have been empty

for over 20 years, this oil was most likely a residual of material historically identified at the site (before groundwater remediation was implemented).

4. ADDITIONAL SITE WORK

4.1 Soil Used for Bunkering, Eastern Tank Complex

In order to facilitate the off-site disposal of any residual soil remaining after restoring the former tank locations to grade, GeoQuest collected soil samples for petroleum analysis.

A total of seven samples (five samples from the west, and two from the east sides) were collected from the soil (composed primarily of typical fill materials observed throughout the site) utilized to cover and contain the tanks at the Eastern Tank Complex. The samples were collected into appropriate laboratory prepared containers and submitted to Con-Test Analytical Laboratories, Inc. (Contest) of East Longmeadow, Massachusetts (a New York State Certified Laboratory).

The samples were analyzed under the New York Stars Program for volatile organic compounds (VOCs) plus tentatively identified compounds (TICs) by EPA Method 8260B and for semi-volatile organic compounds (SVOCs) plus TICs by EPA Method 8270C.

The laboratory results indicate that SVOCs were present in the soil at elevated concentrations (which may have been the result of asphalt fragments within the fill materials sampled).

When the removal of the two tanks from the Eastern Tank Complex was completed and the tank complex footprint leveled to grade, approximately 800 tons of soil remained stockpiled on the site. In order to identify a suitable off-site disposal facility, waste characterization samples were collected and submitted to York Analytical Laboratories (York) of Stratford, Connecticut (a New York State Certified Laboratory) for analysis.

The samples were analyzed for VOCs via EPA Method 8260, SVOCs via EPA Method 8270, and metals by mass analysis and TCLP analysis, polychlorinated biphenyls (PCBs) by EPA Method 8082, and for Diesel Range Organics (DRO).

No PCBs were identified in the samples. One SVOC compound was identified in the soil at a concentration slightly in excess of NYSDEC clean up standards. All other compounds were identified at concentrations well below any applicable standards.

In March of 2012, Pro-Teck, LLC of New Haven, Connecticut transported a total of 835.84 tons of soil from the site to Clean Earth of Carteret in Carteret, New Jersey. A copy of the Pro-Teck shipping profile is attached.

4.2 Soil Used for Bunkering, Southern Tank Complex

Work on the Southern Tank Complex started with the removal of approximately 50% of the soil surrounding Tank No. 1, and the stockpiling of that soil against the northern, concrete wall of the Southern Tank Complex. This was necessary to allow access to the remainder of the

smaller tanks in the Southern Tank Complex. It also, however, restricted access to the remainder of the site. It was decided that the soils would be removed and transported off-site for disposal in order to facilitate access to site features.

Soil samples were collected from the excess soils and submitted to York for waste characterization analysis. The samples were analyzed for several parameters required by the disposal facility including VOCs by EPA Method 8260, SVOCs via EPA Method 8270, 22 metals via EPA Method 6010B plus mercury, Hexavalent chromium, total cyanide, PCBs via EPA Method 8082, and pesticides via EPA Method 8081.

No PCBs or pesticides were identified in the samples. Two SVOCs were identified at concentrations slightly in excess of NYSDEC cleanup standards. All other analytes were identified at concentrations below any applicable standards.

In August of 2012, Pro-Teck, LLC transported a total of 1,696.63 tons of soil from the site to Lincoln Park West Landfill Closure Site in Jersey City, New Jersey. A copy of the Pro-Teck shipping Site Log is attached.

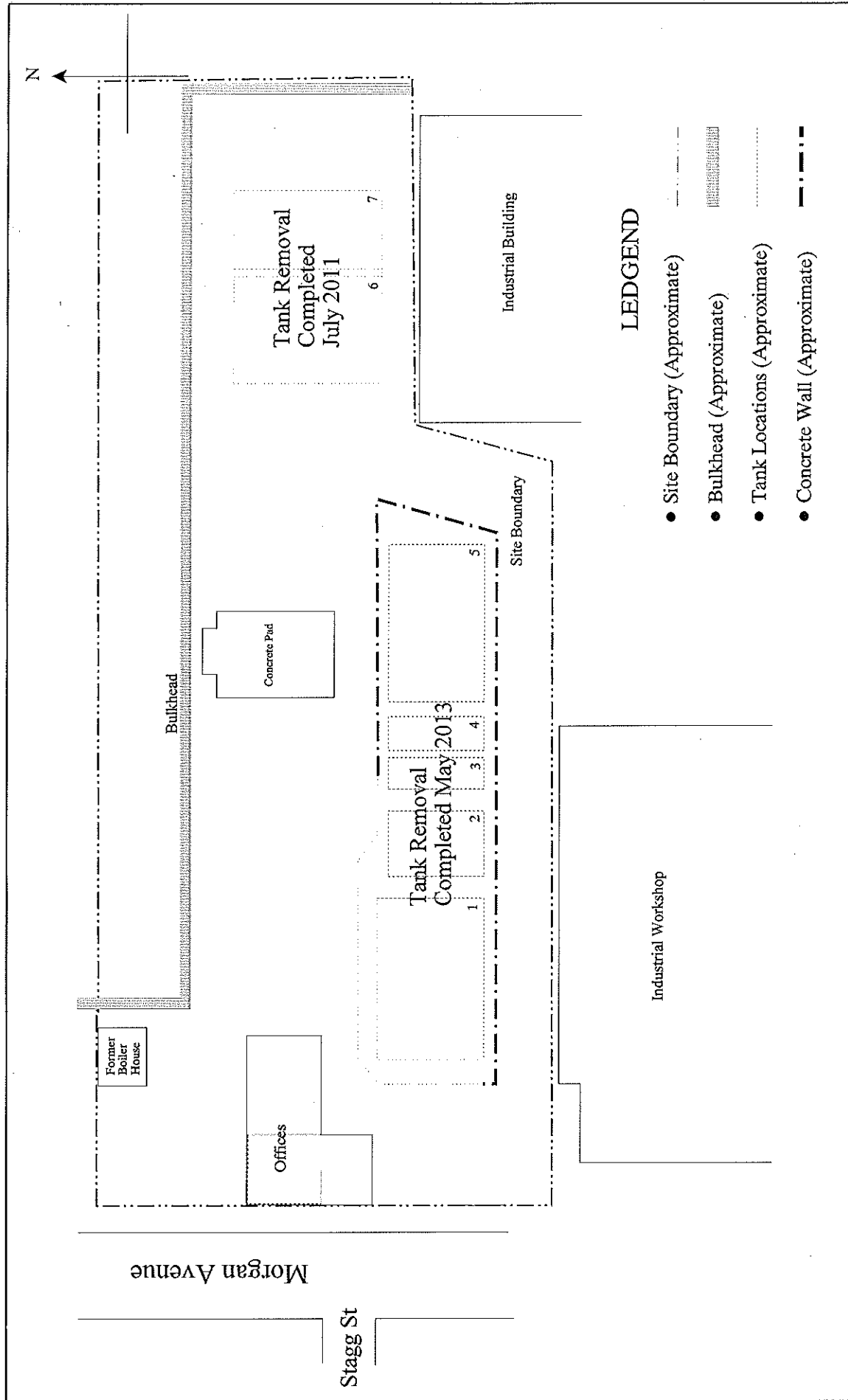
5.0 CONCLUSIONS AND RECOMMENDATIONS

5.1 Conclusions and Recommendations

This report documents the removal activities associated with seven bulk oil storage tanks formerly utilized on the subject property. The tanks were de-commissioned, removed, and the site areas restored to grade. Upon review of this report by the NYSDEC, GeoQuest will prepare a Remedial Investigation Work Plan and Implementation Schedule for review by the NYSDEC. The Remedial Investigation Work Plan will propose a structured plan for the assessment of soil and groundwater quality on the subject property. This assessment will assist in determining what remedial actions may be necessary to bring the site into compliance with applicable standards for soil and groundwater. Following the review/acceptance of this TRR, appropriate forms will be submitted, as requested by the NYSDEC, including: 1) an update of the *Major Petroleum Facility License* showing the current status of the tanks as "Closed - Removed", 2) a filing of a *Petroleum Bulk Storage (PBS) Notification for Tank Installation, Closing, Repair or Reconditioning* form showing the tanks as "Closed and Removed", and 3) the RIWP and IS.

TANK REMOVAL MAP

Tank Removal MAP



GEOQUEST , Inc. P.O. Box 85 Bloomfield, CT Tel: (860) 243-1757 Fax: (860) 243-9414	SITE LOCATION Morgan Terminal 200 Morgan Avenue Brooklyn, NY	DATE May 2013	PROJECT NUMBER 1531
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SOIL TRANSPORTATION LOGS

Profile: 123070399

Site ID: 307

Transactions from 03/01/2012 through 03/14/2012

Inbound and Outbound Tickets

Third Party and Intercompany Customers

Sent and Unsold Tickets

Full Details

Ticket	Date	Truck	In / Out	Manifest	Customer	Gross	Tare	Net
123070399 - Morgan Ave/English Kills Ventures, LLC Global Job Number: 124315								
307000213256	03/09/12	AMV12	I	668040	PRO420-PRO TECK, INC	48.84	13.96	34.88
307000213263	03/09/12	AMV8	I	668035	PRO420-PRO TECK, INC	45.70	13.80	31.90
307000213264	03/09/12	NICK28	I	668048	PRO420-PRO TECK, INC	47.68	13.02	34.66
307000213271	03/09/12	AMV11	I	668045	PRO420-PRO TECK, INC	46.86	14.26	32.60
307000213316	03/09/12	AMV10	I	668037	PRO420-PRO TECK, INC	45.51	13.35	32.16
307000213318	03/09/12	NICK28	I	668046	PRO420-PRO TECK, INC	45.02	13.02	32.00
307000213323	03/09/12	AMV12	I	668049	PRO420-PRO TECK, INC	46.54	13.96	32.58
307000213325	03/09/12	AMV8	I	668047	PRO420-PRO TECK, INC	43.41	13.80	29.61
307000213327	03/09/12	AMV11	I	668050	PRO420-PRO TECK, INC	45.79	14.26	31.53
307000213351	03/09/12	BATTAL 807	I	546052	PRO420-PRO TECK, INC	46.68	13.72	32.96
307000213352	03/09/12	BATTAL 802	I	546051	PRO420-PRO TECK, INC	46.56	12.55	34.01
307000213354	03/09/12	BATTAL 804	I	546053	PRO420-PRO TECK, INC	48.57	13.75	34.82
307000213355	03/09/12	AMV10	I	668036	PRO420-PRO TECK, INC	47.78	13.35	34.43
307000213356	03/09/12	NICK28	I	546054	PRO420-PRO TECK, INC	45.32	13.02	32.30
307000213357	03/09/12	AMV12	I	546056	PRO420-PRO TECK, INC	48.30	13.96	34.34
307000213358	03/09/12	AMV8	I	546055	PRO420-PRO TECK, INC	46.12	13.80	32.32
307000213359	03/09/12	AMV11	I	464649	PRO420-PRO TECK, INC	45.15	14.26	30.89
307000213670	03/09/12	AMV10	I	668038	PRO420-PRO TECK, INC	48.41	13.35	35.06
307000213679	03/13/12	AMV11	I	668106	PRO420-PRO TECK, INC	43.65	14.26	29.39
307000213684	03/13/12	AMV9	I	668103	PRO420-PRO TECK, INC	44.72	12.47	32.25
307000213712	03/13/12	AMV12	I	668108	PRO420-PRO TECK, INC	44.94	13.96	30.98
307000213809	03/13/12	AMV11	I	668110	PRO420-PRO TECK, INC	45.79	14.26	31.53
307000213810	03/13/12	AMV9	I	668109	PRO420-PRO TECK, INC	42.43	12.47	29.96
307000213822	03/13/12	AMV12	I	668105	PRO420-PRO TECK, INC	43.69	13.96	29.73

Profile GTN

Transactions from 03/01/2012 through 03/14/2012

Inbound and Outbound Tickets

Third Party and Intercompany Customers

Sent and Unsent Tickets

Full Details.

Ticket	Date	Truck	In / Out	Manifest	Customer	Global Job Number:	Gross	Tare	Net
123070399 - Morgan Ave/English Kills Ventures, LLC									
307000213838	03/13/12	KIMARV122	I	534751	PRO420-PRO TECK, INC	124315	45.17	12.85	32.32
307000213846	03/13/12	NICK30	I	260608	PRO420-PRO TECK, INC		39.44	12.81	26.63
123070399 - Morgan Ave/English Kills Ventures, LLC									835.84
26 tickets									

Report Grand Totals

26 tickets

835.84

Project Name: 200 MORGAN AVE. BROOKLYN, NY 11219

Site Log

Disposal Location: LINCOLN PARK WEST LANDFILL CLOSURE SITE - DUNCAN AVE. JERSEY CITY, NJ

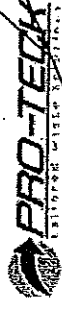


Load Count	Date	Trans	Tractor #	Tractor Registration	Trailer Registration	Time On-Site	Load Start	Load Finish	Transporter Signature
1	08/23/2012	B&M	03	AM106G	N/A	6:30	6:35	6:55	Wini Lora
2	08/23/2012		03	AN828W	N/A	6:33	6:58	7:08	
3	08/23/2012	CP	27	AK485D	N/A	6:35	7:09	7:19	
4	08/23/2012	CP	27	AK485D	N/A	9:41	9:43	9:53	
5	08/23/2012	B&M	03	AM106G	N/A	9:53	9:54	10:05	Wini Lora
6	08/23/2012	M. CH	3	AN376Y	N/A	12:25	12:26	12:36	
7	08/23/2012	M. CH	02	AN140H	N/A	12:26	12:37	12:47	
8	08/23/2012	GEORMAR	01	AF476Y	N/A	12:27	12:48	12:59	Mac
9	08/23/2012	CP	27	AK485D	N/A	1:05	1:07	1:17	
10	08/23/2012	B&M	03	AM106G	N/A	1:05	1:18	1:30	Wini Lora
11	08/23/2012	DI TRUCKING	01	AM687R	N/A	2:03	2:04	2:14	
12	08/24/2012	B&M	03	AM106G	N/A	5:55	6:12	6:23	Wini Lora
13	08/24/2012	MANOLOS	01	AN421H	N/A	5:55	6:24	6:30	E. D. W. S. L. W.
14	08/24/2012	F&Y	17	AK176A	N/A	5:55	6:31	6:40	Leoncio Muno
15	08/24/2012	F&Y	20	AK972W	N/A	5:55	6:41	6:50	
16	08/24/2012	MUNOS	8	AN951K	N/A	6:00	6:51	7:00	
17	08/24/2012	MUNOS	07	AL794W	N/A	6:05	7:01	7:10	Jose O. O. O.
18	08/24/2012	MCB	2	AN639J	N/A	6:06	7:11	7:20	Wini Lora
19	08/24/2012	ANDRADES	4	AK 201S	N/A	6:08	7:21	7:28	Nelson Anawol
20	08/24/2012	JAYM	17	AM143R	N/A	6:10	7:28	7:38	Wini Lora

Project Name: 200 MORGAN AVE. BROOKLYN, NY 11219

Site Log

Disposal Location: LINCOLN PARK WEST LANDFILL CLOSURE SITE - DUNCAN AVE. JERSEY CITY, NJ



Load Count	Date	Trans	Tractor #	Tractor Registration	Trailer Registration	Time On-Site	Load Start	Load Finish	Transporter Signature
21	08/24/2012	W. OJEDA	02	AM991T	N/A	6:15	7:39	7:45	<i>W. Ojeda</i>
22	08/24/2012	MCB	3	AM612M	N/A	6:30	7:45	7:50	<i>Joel P.</i>
23	08/24/2012	MANOLOS	3	AM219Z	N/A	6:35	7:50	7:56	<i>[Signature]</i>
24	08/24/2012	MANOLOS	01	AN421H	N/A	8:35	8:36	8:44	<i>FRANK</i>
25	08/24/2012	B&M	03	AM106G	N/A	8:44	8:45	8:51	<i>W. Ojeda</i>
26	08/24/2012	MUNOS	07	AL794W	N/A	9:19	9:20	9:26	<i>Jesse Dominguez</i>
27	08/24/2012	F&Y	20	AK972W	N/A	9:21	9:26	9:34	<i>[Signature]</i>
28	08/24/2012	F&Y	17	AK176A	N/A	9:22	9:34	9:40	<i>LOKIO MUNOZ</i>
29	08/24/2012	MCB	2	AN639J	N/A	9:46	9:47	9:54	<i>MDAN BEN</i>
30	08/24/2012	ANDRADES	4	AK201S	N/A	9:47	9:54	10:02	<i>Nelson Andrad</i>
31	08/24/2012	MUNOS	8	AN951K	N/A	9:57	10:03	10:12	<i>[Signature]</i>
32	08/24/2012	JAYM	17	AM143R	N/A	10:15	10:16	10:21	<i>JO</i>
33	08/24/2012	W. OJEDA	02	AM991T	N/A	10:16	10:22	10:30	<i>[Signature]</i>
34	08/24/2012	MANOLOS	3	AM219Z	N/A	10:21	10:31	10:39	<i>[Signature]</i>
35	08/24/2012	MCB	3	AM612M	N/A	10:22	10:41	10:51	<i>JOEL</i>
36	08/24/2012	MANOLOS	01	AN421H	N/A	11:22	11:35	11:45	<i>FRANK</i>
37	08/24/2012	CP	37	AN294J	N/A	11:44	11:46	11:55	<i>[Signature]</i>
38	08/24/2012	B&M	03	AM106G	N/A	11:47	11:55	12:04	<i>W. Ojeda</i>
39	08/24/2012	MUNOS	07	AL794W	N/A	11:53	12:05	12:14	<i>Jesse Dominguez</i>
40	08/24/2012	F&Y	20	AK972W	N/A	12:36	12:38	12:46	<i>[Signature]</i>

Project Name: 200 MORGAN AVE. BROOKLYN, NY 11219

[illegible]

Date Received	Manifest #	Truck ID	Facility Ticket	Total
8/23/2012	59501	AM106G	28479	31.41
	69502	AK485D	28477	34.78
	69503	AF476Y	28472	28.15
	69504	AN140H	28475	32.15
	69505	AN376Y	28476	31.46
	69506	AM106G	28438	29.55
	69507	AM106G	28459	33.00
	69510	AN828W	28443	30.99
	69511	AK485D	28439	32.38
	69512	AK485D	28454	27.54
	69517	AM687R	28489	32.18
8/23/2012 Total				343.59
8/24/2012	69420	AK201S	28598	31.09
	69421	AN951K	28608	31.42
	69422	AM143R	28609	35.14
	69425	AN421H	28529	30.93
	69426	AM219Z	28521	31.89
	69427	AM612M	28520	31.12
	69428	AM941T	28515	32.88
	69429	AL794W	28496	36.15
	69430	AM143R	28514	30.78
	69431	AN639J	28553	31.90
	69432	AN951K	28560	31.36
	69433	AK176A	28546	31.81
	69434	AK201S	28554	32.48
	69435	AK972W	28545	32.09
	69436	AL794W	28539	31.64
	69437	AM106G	28537	34.57
	69438	AM991T	28614	35.10
	69439	AM143R	28563	34.09
	69440	AM219Z	28574	33.57
	69441	AM612M	28573	34.47
	69442	AN421H	28580	29.92
	69443	AM941T	28565	34.51
	69444	AN294J	28582	39.86
	69445	AM106G	28584	38.08
	69446	AL794W	28585	36.75
	69447	AK972W	28591	33.30
	69448	AN639J	28500	30.22
	69449	AK201S	28501	30.73
	69450	AK176A	28593	33.05
	69508	AN639J	28599	31.76
	69513	AK972W	28494	32.84
	69514	AN951K	28499	32.32
	69515	AK176A	28495	31.32
	69516	AN421H	28491	29.39

	69518	AM106G	28492	29.45
8/24/2012 Total				1147.98
8/27/2012	69451	AN638J	28617	35.31
	69452	AM106G	28618	38.58
	69453	AM612M	28620	34.11
	69454	AN638J	28642	30.61
	69455	AM612M	28659	31.75
	69456	AM106G	28648	34.70
8/27/2012 Total				205.06
Grand Total				1696.63

Site Assessments
Remedial Investigations • Remediation
Environmental Compliance Audits • UST Management

3 Barnard Lane • P.O. Box 85 Bloomfield, Connecticut 06002 (860) 243-1757 • mcasslar@geoquestinc.com

Profile GTN

Transactions from 03/01/2012 through 03/14/2012
 Inbound and Outbound Tickets
 Third Party and Intercompany Customers
 Sent and Unsent Tickets
 Full Details

Profile: 123070399
 Site ID: 307

Ticket	Date	Truck	In / Out	Manifest	Customer	Gross	Tare	Net
123070399 - Morgan Ave/English Kills Ventures, LLC Global Job Number: 124315								
307000213256	03/09/12	AMV12	I	668040	PRO420-PRO TECK, INC	48.84	13.96	34.88
307000213263	03/09/12	AMV8	I	668035	PRO420-PRO TECK, INC	45.70	13.80	31.90
307000213264	03/09/12	NICK28	I	668048	PRO420-PRO TECK, INC	47.68	13.02	34.66
307000213271	03/09/12	AMV11	I	668045	PRO420-PRO TECK, INC	46.86	14.26	32.60
307000213316	03/09/12	AMV10	I	668037	PRO420-PRO TECK, INC	45.51	13.35	32.16
307000213318	03/09/12	NICK28	I	668046	PRO420-PRO TECK, INC	45.02	13.02	32.00
307000213323	03/09/12	AMV12	I	668049	PRO420-PRO TECK, INC	46.54	13.96	32.58
307000213325	03/09/12	AMV8	I	668047	PRO420-PRO TECK, INC	43.41	13.80	29.61
307000213327	03/09/12	AMV11	I	668050	PRO420-PRO TECK, INC	45.79	14.26	31.53
307000213351	03/09/12	BATTAL 807	I	546052	PRO420-PRO TECK, INC	46.68	13.72	32.96
307000213352	03/09/12	BATTAL 802	I	546051	PRO420-PRO TECK, INC	46.56	12.55	34.01
307000213354	03/09/12	BATTAL 804	I	546053	PRO420-PRO TECK, INC	48.57	13.75	34.82
307000213355	03/09/12	AMV10	I	668036	PRO420-PRO TECK, INC	47.78	13.35	34.43
307000213356	03/09/12	NICK28	I	546054	PRO420-PRO TECK, INC	45.32	13.02	32.30
307000213357	03/09/12	AMV12	I	546056	PRO420-PRO TECK, INC	48.30	13.96	34.34
307000213358	03/09/12	AMV8	I	546055	PRO420-PRO TECK, INC	46.12	13.80	32.32
307000213359	03/09/12	AMV11	I	464649	PRO420-PRO TECK, INC	45.15	14.26	30.89
307000213670	03/09/12	AMV10	I	668038	PRO420-PRO TECK, INC	48.41	13.35	35.06
307000213679	03/13/12	AMV11	I	668106	PRO420-PRO TECK, INC	43.65	14.26	29.39
307000213684	03/13/12	AMV9	I	668103	PRO420-PRO TECK, INC	44.72	12.47	32.25
307000213712	03/13/12	AMV12	I	668108	PRO420-PRO TECK, INC	44.94	13.96	30.98
307000213809	03/13/12	AMV11	I	668110	PRO420-PRO TECK, INC	45.79	14.26	31.53
307000213810	03/13/12	AMV9	I	668109	PRO420-PRO TECK, INC	42.43	12.47	29.96
307000213822	03/13/12	AMV12	I	668105	PRO420-PRO TECK, INC	43.69	13.96	29.73

skPrftGTN.rpt

Clean Earth of Carteret

Page 2 of 2

Profile: 123070399

Profile GTN

3/14/2012

Site ID: 307

Transactions from 03/01/2012 through 03/14/2012

Inbound and Outbound Tickets

12:01PM

Third Party and Intercompany Customers

Sent and Unsent Tickets

Full Details

User ID: MGOERGEN


Ticket	Date	Truck	In/Out	Manifest	Customer	Gross	Tare	Net
123070399 - Morgan Ave/English Kills Ventures, LLC						Global Job Number: 124315		
307000213838	03/13/12	KIMARV122	I	534751	PRO420-PRO TECK, INC	45.17	12.85	32.32
307000213846	03/13/12	NICK30	I	260608	PRO420-PRO TECK, INC	39.44	12.81	26.63
123070399 - Morgan Ave/English Kills Ventures, LLC								835.84
26 tickets								

Report Grand Totals

26 tickets

835.84

Site Log

[illegible]

Ticket	Date	Truck	In / Out	Manifest	Customer	Gross	Tare	Net
123070399 - Morgan Ave/English Kills Ventures, LLC						Global Job Number: 124315		
307000284205	07/18/13	D1 3	1	660875	PRO420-PRO TECK, INC	44.20	14.02	30.18
307000284215	07/18/13	ANDRADESI	1	660876	PRO420-PRO TECK, INC	45.20	12.80	32.40
307000284227	07/18/13	ANDRADESA	1	660877	PRO420-PRO TECK, INC	47.68	14.67	33.01
307000284243	07/18/13	CFBROSIO	1	660878	PRO420-PRO TECK, INC	48.92	13.30	35.62
307000284248	07/18/13	CFBROS7	1	660879	PRO420-PRO TECK, INC	49.14	13.27	35.87
307000284251	07/18/13	CFBROS9	1	660880	PRO420-PRO TECK, INC	50.26	13.90	36.36
307000284264	07/18/13	MANLOSA	1	660881	PRO420-PRO TECK, INC	45.97	15.11	30.86
307000284269	07/18/13	OJEDA2	1	660882	PRO420-PRO TECK, INC	45.49	13.80	31.69
307000284271	07/18/13	D1 4	1	660883	PRO420-PRO TECK, INC	47.69	14.88	32.81
307000284277	07/18/13	ANDRADES2	1	660884	PRO420-PRO TECK, INC	46.42	13.69	32.73
307000284286	07/18/13	OJEDA1	1	660885	PRO420-PRO TECK, INC	47.87	13.80	34.07
307000284291	07/18/13	D1 5	1	660886	PRO420-PRO TECK, INC	49.25	14.14	35.11
307000284319	07/18/13	ANDRADESI	1	660887	PRO420-PRO TECK, INC	46.99	12.80	34.19
307000284328	07/18/13	D1 3	1	660888	PRO420-PRO TECK, INC	49.18	14.02	35.16
307000284338	07/18/13	CFBROSIO	1	660889	PRO420-PRO TECK, INC	48.71	13.30	35.41
307000284342	07/18/13	ANDRADESA	1	660890	PRO420-PRO TECK, INC	46.82	14.67	32.15
307000284343	07/18/13	CFBROS7	1	660891	PRO420-PRO TECK, INC	44.93	13.27	31.66
307000284348	07/18/13	CFBROS9	1	660892	PRO420-PRO TECK, INC	45.83	13.90	31.93
307000284390	07/18/13	MANLOSA	1	660893	PRO420-PRO TECK, INC	43.01	14.25	28.76

123070399 - Morgan Ave/English Kills Ventures, LLC

19 tickets

629.97

Report Grand Totals

19 tickets

629.97

Clean Earth of Carteret

24 Middlesex Avenue

Carteret, NJ 07008

Ph: (732) 541-8989 Fax: (732) 541-8105

Manifest: 668875

Vehicle ID: DI 3

Customer: P&G TECK, INC.

Generator: English Kills Ventures LL

Gen Address: 5814 16th Avenue - Suite 110
Brooklyn, NY 11219

Facility Approval#: 123070399

Job Name: Morgan Ave/English Kills Vent

Job Address: 200 Morgan Avenue
Brooklyn, NY 11219

Ticket: 307000284205

	Date	Time	Scale
Ini	7/18/2013	08:37:53	Scale 1
Out	7/18/2013	08:44:28	P.T.

	Lbs	Tns
Gross:	88400	44.20
Tares:	20040	14.02
Net:	68360	30.18

Origin	Materials & Services	Quantity Unit
--------	----------------------	---------------

Kings	Soil Treatment Type II	30.18 Tns
-------	------------------------	-----------

Contaminant Type: NON SPECIFIC SOURCE

Treatment Type: Bio

Fac Waste Code: NJ DEP ID 27 DEACTIVATE/AMERTIL 2/8/2013

Comments:

Driver:

Ramiro

Facility:

Lukasz Ceglarek

COLN PARK WEST

Managed by Persistent Construction Corp. /
Impact Environmental
Duncan Avenue, Jersey City
Hudson County, NJ

Manifest Number: **69,506**

9928438 Number: **28438**

SCALE TICKET

Part 1

GENERATOR

Generator ~~4807~~, Address and Telephone #:

English Kills Ventures

5014 16th Ave, Suite 110

Source of Material (Description and Address):

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

NON RES SOIL
Classification of Material:

non res

WEIGHT

GROSS/TARE/NET (lbs)

88000 lb

28900 lb

59100 lb

NET (Tons):

29.550 tn

NOTES:

Part 3

WEIGHT CERTIFICATION

Ryan Adair

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program. Where loads are accepted by volume, this certification is made to the maximum capacity of the vehicle.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator: **Tare Time Gross Time**

8/23/12

8:04 am

8:07 am

Date and Time In and Out:

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Primary Transporter Name, Address and Permit #:

BCM-03

Secondary Transporter Name, Address and Permit #:

DAM1086 and Signature (conditional):

Truck Plate Number:

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Lincoln Park West by Persistent Construction Corp. and Impact Environmental Consulting, Inc. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the Lincoln Park West site. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Persistent Construction Corp. and Impact Environmental Consulting, Inc. to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Lincoln Park West and as directed by the facility staff:

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: ENGLISH KILLS VENTURES
5014 16TH AVENUE, SUITE 110

SITE: MORGAN AVE
200 MORGAN AVENUE
BROOKLYN, NY 11219
BLOCK 2942, LOTS 101

JOB # 4867

1

Authorized By (print) ASHER ZELFONER

Authorized By (title) MANAGER

Authorized By (sig) *[Signature]*

TIME: _____ DATE: _____

Transporter:

GER
BTM Trucking

2

Driven By WILLIAM GRACE

Truck/Trailer Plate #03 AM1066

Driver Signature *[Signature]*

TIME: 6:57 DATE: 8/23/2017

Manifest
Number

69506



Material/Note(s):

SITE LOCATION: _____

RESIDENTIAL ☐

NON-RESIDENTIAL ☒

Project under the management of Impact
Environmental. In case of emergency call 631-269-
8800 or 516-805-8900

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 59100 GROSS WEIGHT 78000

NET TONS _____ TARE WEIGHT 28900

TICKET NUMBER 28436

Receiving Facility:

Lincoln Park West Landfill Closure Site
Duncan Avenue
Jersey City, NJ

3

Received By (print) *[Signature]*

Date/Time

8:07 AM 8/23/17

By signing this manifest the Hauler accepts that it is solely
responsible for the amount of material that is being transported
as well as the methods and means for its travel.

Driven By (sig) *[Signature]*

LINCOLN PARK WEST

Managed by Persistent Construction Corp. /
Impact Environmental
Duncan Avenue, Jersey City
Hudson County, NJ

Manifest Number: **69,511**

9928439 Number: **28439**

SCALE TICKET

Part 1

GENERATOR

Generator **4867**, Address and Telephone #:

English Kills Ventures
5014 16th Ave, Suite 110

Source **Morgan Ave** (Material Description and Address):

200 Morgan Avenue
Brooklyn NY 11219

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

NON RES SOIL
Classification of Material:

non res

WEIGHT

GROSS/TARE/NET (lbs)

91260 lb

26500 lb

64760 lb

NET (Tons):

32.380 tn

NOTES:

Part 3

WEIGHT CERTIFICATION

Ryan Adair

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program. Where loads are accepted by volume, this certification is made to the maximum capacity of the vehicle.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

8/23/12

Tare Time

8:10 am

Gross Time

8:11 am

Date and Time In and Out:

Scale Operator Notes:

TRANSPORTER DATA AND CERTIFICATION

Primary Transporter Name, Address and Permit #:

Secondary Transporter Name, Address and Permit #:

DAK485D and Signature (conditional):

Truck Plate Number:

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Lincoln Park West by Persistent Construction Corp. and Impact Environmental Consulting, Inc. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the Lincoln Park West site. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Persistent Construction Corp. and Impact Environmental Consulting, Inc. to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Lincoln Park West and as directed by the facility staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: ENGLISH KILLS VENTURES
5014 16TH AVENUE, SUITE 110

SITE: MORGAN AVE
200 MORGAN AVENUE
BROOKLYN, NY 11219
BLOCK 2942, LOTS 101

JOB # 4867

1

Authorized By (print)

Authorized By (title)

Authorized By (sig)

TIME: _____ DATE: _____

Transporter:

866A /
CP Trucking #27

2

Driven By

Truck/Trailer Plate

Driver Signature

TIME: 7:15 AM DATE: 8-23-12

Material/Note(s):

SITE LOCATION: _____

RESIDENTIAL ☐

NON-RESIDENTIAL ☒

Manifest
Number

69511



Project under the management of Impact
Environmental. In case of emergency call 631-269-
8800 or 516-805-8800

TARE WEIGHT MUST BE INCLUDED
NET WEIGHT 64760 GROSS WEIGHT 91260
NET TONS _____ TARE WEIGHT 26500
TICKET NUMBER 28439

Receiving Facility:

Lincoln Park West Landfill Closure Site
Duncan Avenue
Jersey City, NJ

3

Received By (print)

Date/Time

Driven By (sig)

By signing this manifest the Hauler accepts that it is solely
responsible for the amount of material that is being transported
as well as the methods and means for its travel.

LINCOLN PARK WEST

Managed by Persistent Construction Corp. /
Impact Environmental
Duncan Avenue, Jersey City
Hudson County, NJ

Manifest Number: **69,510**

9928443 Number: **28443**

SCALE TICKET

Part 1

GENERATOR

Generator **1007** Address and Telephone #:

English Kills Ventures
5014 16th Ave, Suite 110

Source **Morgan Ave** Material (Description and Address):

200 Morgan Avenue
Brooklyn NY 11219

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

NON RES SOIL
Classification of Material:

non res

WEIGHT

GROSS/TARE/NET (lbs)

91400 lb

29420 lb

61980 lb

NET (Tons):

30.990 tn

NOTES:

Part 3

WEIGHT CERTIFICATION

Ryan Adair

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program. Where loads are accepted by volume, this certification is made to the maximum capacity of the vehicle.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

Tare Time

Gross Time

8/23/12

8:49 am

8:50 am

Date and Time In and Out:

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Primary Transporter Name, Address and Permit #:

D13

Secondary Transporter Name, Address and Permit #:

DANIEL and Signature (conditional):

Truck Plate Number:

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Lincoln Park West by Persistent Construction Corp. and Impact Environmental Consulting, Inc. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the Lincoln Park West site. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Persistent Construction Corp. and Impact Environmental Consulting, Inc. to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Lincoln Park West and as directed by the facility staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: ENGLISH KILLS VENTURES
5014 16TH AVENUE, SUITE 110

SITE: MORGAN AVE
200 MORGAN AVENUE
BROOKLYN, NY 11219
BLOCK 2942, LOTS 101

JOB # 4867

1

Authorized By (print)

Authorized By (title)

Authorized By (sig)

TIME: _____ DATE: _____

Transporter:

DI TRUCKING #03
192 WILSON AV
NEWARK, NJ

2

Driven By RONIFER PESQUERA

Truck/Trailer Plate AN828 W

Driver Signature

TIME: 7:00 DATE: 8/23/12

Material/Note(s):

SITE LOCATION: _____

RESIDENTIAL ☐

NON-RESIDENTIAL ☒

Manifest
Number

69510



Project under the management of Impact
Environmental. In case of emergency call 631-269-
8800 or 516-805-8900

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 61930 GROSS WEIGHT 91400

NET TONS _____ TARE WEIGHT 29400

TICKET NUMBER 22443

Receiving Facility:

Lincoln Park West Landfill Closure Site
Duncan Avenue
Jersey City, NJ

3

Received By (print)

Date/Time

8:51 AM 8/23/12

By signing this manifest the Hauler accepts that it is solely
responsible for the amount of material that is being transported
as well as the methods and means for its travel.

Driven By (sig)

LINCOLN PARK WEST

Managed by Persistent Construction Corp. /
Impact Environmental
Duncan Avenue, Jersey City
Hudson County, NJ

Manifest Number: **69,512**

9928454 Number: **28454**

SCALE TICKET

Part 1

GENERATOR

Generator ~~4807~~ Address and Telephone #:

English Kills Ventures

5014 16th Ave, Suite 110

Source ~~Morgan Ave~~ Description and Address):

200 Morgan Avenue

Brooklyn

NY

11219

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

NON RES SOIL
Classification of Material:

non res

NOTES:

WEIGHT

GROSS/TARE/NET (lbs)

81580 lb

26500 lb

55080 lb

NET (Tons):

27.548 tn

Part 3

WEIGHT CERTIFICATION

Ryan Adair

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program. Where loads are accepted by volume, this certification is made to the maximum capacity of the vehicle.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

Tare Time

Gross Time

8/23/12

11:14 am

11:15 am

Date and Time In and Out:

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Primary Transporter Name, Address and Permit #:

Secondary Transporter Name, Address and Permit #:

DAK485D and Signature (conditional):

Truck Plate Number:

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Lincoln Park West by Persistent Construction Corp. and Impact Environmental Consulting, Inc. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the Lincoln Park West site. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Persistent Construction Corp. and Impact Environmental Consulting, Inc. to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Lincoln Park West and as directed by the facility staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: ENGLISH KILLS VENTURES
5014 16TH AVENUE, SUITE 110

SITE: MORGAN AVE
200 MORGAN AVENUE
BROOKLYN, NY 11219
BLOCK 2942, LOTS 101

Job # 4867

1

Authorized By (print)

Authorized By (title)

Authorized By (sig)

TIME: 7:00 DATE: 8/23

Transporter:

Global
CP Trucking
#27

2

Driven By

Santiago Sierra

Truck/Trailer Plate

AK48SD

Driver Signature

SS

TIME: DATE:

Material/Note(s):

SITE LOCATION: _____

RESIDENTIAL

☐

NON-RESIDENTIAL

☒

Manifest
Number

69512



Project under the management of Impact
Environmental. In case of emergency call 631-269-
8800 or 516-805-8900

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 55070 GROSS WEIGHT 81580

NET TONS TARE WEIGHT 26500

TICKET NUMBER 28454

Receiving Facility:

Lincoln Park West Landfill Closure Site
Duncan Avenue
Jersey City, NJ

3

Received By (print)

RD

Date/Time

11:15 AM 8/23/02

By signing this manifest the Hauler accepts that it is solely
responsible for the amount of material that is being transported
as well as the methods and means for its travel.

Driven By (sig)

LINCOLN PARK WEST

Managed by Persistent Construction Corp. /
Impact Environmental
Duncan Avenue, Jersey City
Hudson County, NJ

Manifest Number: **69,507**

~~9928459~~ Number: **28459**

SCALE TICKET

Part 1

GENERATOR

Generator ~~14967~~ Address and Telephone #:

English Kills Ventures
5014 16th Ave, Suite 110

Source ~~Morgan Ave~~ Material (Description and Address):

200 Morgan Avenue
Brooklyn NY 11219

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

NON RES SOIL
Classification of Material:

non res

NOTES:

WEIGHT

GROSS/TARE/NET (lbs)

94900 lb

28900 lb

66000 lb

NET (Tons):

33.000 tn

Part 3

WEIGHT CERTIFICATION

Ryan Adair

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program. Where loads are accepted by volume, this certification is made to the maximum capacity of the vehicle.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

8/23/12

Tare Time

11:38 am

Gross Time

11:38 am

Date and Time In and Out:

Scale Operator Notes:

TRANSPORTER DATA AND CERTIFICATION

Primary Transporter Name, Address and Permit #:

B&M 06

Secondary Transporter Name, Address and Permit #:

AM1066 and Signature (conditional):

Truck Plate Number:

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Lincoln Park West by Persistent Construction Corp. and Impact Environmental Consulting, Inc. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the Lincoln Park West site. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Persistent Construction Corp. and Impact Environmental Consulting, Inc. to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Lincoln Park West and as directed by the facility staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: ENGLISH KILLS VENTURES
5014 16TH AVENUE, SUITE 110

SITE: MORGAN AVE
200 MORGAN AVENUE
BROOKLYN, NY 11219
BLOCK 2942, LOTS 101

Job # 4867

1

Authorized By (print)

Authorized By (title)

Authorized By (sig)

TIME: 7:00 DATE: 8/23

Transporter:

GES / B+M Trucking

2

Driven By

Truck/Trailer Plate

Driver Signature

TIME: 9:53 AM DATE: 8/23/12
Manifest Number 69507



Material/Note(s):

SITE LOCATION: _____

RESIDENTIAL ☐

NON-RESIDENTIAL ☒

Project under the management of Impact
Environmental. In case of emergency call 631-269-
8800 or 516-805-8900

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 66000 GROSS WEIGHT 94900

NET TONS TARE WEIGHT 28900

TICKET NUMBER 28459

Receiving Facility:

Lincoln Park West Landfill Closure Site
Duncan Avenue
Jersey City, NJ

3

Received By (print)

Date/Time

By signing this manifest the Hauler accepts that it is solely
responsible for the amount of material that is being transported
as well as the methods and means for its travel.

Driven By (sig)

LINCOLN PARK WEST

Managed by Persistent Construction Corp. /
Impact Environmental
Duncan Avenue, Jersey City
Hudson County, NJ

Manifest Number: **69,503**

9928472 Number: **28472**

SCALE TICKET

Part 1

GENERATOR

Generator **4867**, Address and Telephone #:

English Kills Ventures

5014 16th Ave. Suite 110

Source **Morgan Ave** (Description and Address):

200 Morgan Avenue

Brooklyn

NY

11219

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

NON RES SOIL
Classification of material:

non res

NOTES:

WEIGHT

GROSS/TARE/NET (lbs)

85540 lb

29240 lb

56300 lb

NET (Tons):

28.150 tn

Part 3

WEIGHT CERTIFICATION

Ryan Adair

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program. Where loads are accepted by volume, this certification is made to the maximum capacity of the vehicle.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

Tare Time

Gross Time

8/23/12

2:16 pm

2:19 pm

Date and Time In and Out:

Scale Operator Notes:

TRANSPORTER DATA AND CERTIFICATION

Primary Transporter Name, Address and Permit #:

Secondary Transporter Name, Address and Permit #:

DAE4876 and Signature (conditional):

Truck Plate Number: **MTD**

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Lincoln Park West by Persistent Construction Corp. and Impact Environmental Consulting, Inc. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the Lincoln Park West site. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Persistent Construction Corp. and Impact Environmental Consulting, Inc. to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Lincoln Park West and as directed by the facility staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: ENGLISH KILLS VENTURES
5014 16TH AVENUE, SUITE 110

SITE: MORGAN AVE
200 MORGAN AVENUE
BROOKLYN, NY 11219
BLOCK 2942, LOTS 101

Job # 4867

1

Authorized By (print) *Anthony*

Authorized By (title)

Authorized By (sig)

TIME: 7:00 DATE: 8/29

Transporter:

*5008 MORRIS
TRUCKING*

2

Driven By *Mario*

Truck/Trailer Plate *AF 476 Y*

Driver Signature *Mario*

TIME: _____ DATE: _____

Manifest
Number

69503



Material/Note(s):

SITE LOCATION: _____

RESIDENTIAL ☐

NON-RESIDENTIAL ☒

Project under the management of Impact
Environmental. In case of emergency call 631-269-
8800 or 516-805-8900

TARE WEIGHT MUST BE INCLUDED
NET WEIGHT 56300 GROSS WEIGHT 75440
NET TONS _____ TARE WEIGHT 29240
TICKET NUMBER 28472

Receiving Facility:

Lincoln Park West Landfill Closure Site
Duncan Avenue
Jersey City, NJ

3

Received By (print) *RL*

Date/Time *2:19 PM 8/23/12*

By signing this manifest the Hauler accepts that it is solely
responsible for the amount of material that is being transported
as well as the methods and means for its travel.

Driven By (sig)

LINCOLN PARK WEST

Managed by Persistent Construction Corp. /
Impact Environmental
Duncan Avenue, Jersey City
Hudson County, NJ

Manifest Number: **69,504**

9928475 Number: **28475**

SCALE TICKET

Part 1

GENERATOR

Generator **1887**, Address and Telephone #:

English Kills Ventures

5014 16th Ave, Suite 110

Source of Material (Description and Address):

Morgan Ave

200 Morgan Avenue

Brooklyn

NY

11219

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

NON RES SOIL
Classification of Material:

non res

WEIGHT

GROSS/TARE/NET (lbs)

96020 lb

31720 lb

64300 lb

NET (Tons):

32.150 tn

NOTES:

Part 3

WEIGHT CERTIFICATION

Ryan Adair

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program. Where loads are accepted by volume, this certification is made to the maximum capacity of the vehicle.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

Tare Time

Gross Time

8/23/12

2:34 pm

2:35 pm

Date and Time In and Out:

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Primary Transporter Name, Address and Permit #:

M CHLO

Secondary Transporter Name, Address and Permit #:

DANIEL and Signature (conditional):

[Signature]

Truck Plate Number:

AN 140 H

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Lincoln Park West by Persistent Construction Corp. and Impact Environmental Consulting, Inc. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the Lincoln Park West site. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Persistent Construction Corp. and Impact Environmental Consulting, Inc. to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Lincoln Park West and as directed by the facility staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: ENGLISH KILLS VENTURES
5014 16TH AVENUE, SUITE 110

SITE: MORGAN AVE
200 MORGAN AVENUE
BROOKLYN, NY 11219
BLOCK 2942, LOTS 101

JOB # 4867

1

Authorized By (print) *[Signature]*

Authorized By (title)

Authorized By (sig)

TIME: 7:00 DATE: 8/23

Transporter:

MCH #02

2

Driven By *MCH*

Truck/Trailer Plate *AN 140 H*

Driver Signature *[Signature]*

TIME: _____ DATE: 8-23-12

Material/Note(s):

SITE LOCATION: _____

RESIDENTIAL ☐

NON-RESIDENTIAL ☒

Manifest
Number

69504



Project under the management of Impact
Environmental. In case of emergency call 631-269-
8800 or 516-805-8900

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 64300 GROSS WEIGHT 96000

NET TONS _____ TARE WEIGHT 31700

TICKET NUMBER 28475

Receiving Facility:

Lincoln Park West Landfill Closure Site
Duncan Avenue
Jersey City, NJ

3

Received By (print) *RL*

Date/Time 2:35 PM 8/23/12

By signing this manifest the Hauler accepts that it is solely
responsible for the amount of material that is being transported
as well as the methods and means for its travel.

Driven By (sig)

LINCOLN PARK WEST

Managed by Persistent Construction Corp. /
Impact Environmental
Duncan Avenue, Jersey City
Hudson County, NJ

Manifest Number: **69,505**

Scale Number: **28476**

SCALE TICKET

Part 1

GENERATOR

Generator **#867**, Address and Telephone #:

English Kills Ventures

5014 16th Ave, Suite 110

Source **Morgan Ave** (Description and Address):

200 Morgan Avenue

Brooklyn

NY

11219

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

NON RES SOIL
Classification of Material:

non res

NOTES:

WEIGHT

GROSS/TARE/NET (lbs)

90580 lb

27660 lb

62920 lb

NET (Tons):

31.460 tn

Part 3

WEIGHT CERTIFICATION

Ryan Adair

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program. Where loads are accepted by volume, this certification is made to the maximum capacity of the vehicle.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

Tare Time

Gross Time

8/23/12

2:37 pm

2:37 pm

Date and Time In and Out:

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Primary Transporter Name, Address and Permit #:

M. CH 03

Secondary Transporter Name, Address and Permit #:

Driver Name and Signature (conditional):

Adair

Truck Plate Number:

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Lincoln Park West by Persistent Construction Corp. and Impact Environmental Consulting, Inc. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the Lincoln Park West site. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Persistent Construction Corp. and Impact Environmental Consulting, Inc. to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Lincoln Park West and as directed by the facility staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: ENGLISH KILLS VENTURES
5014 16TH AVENUE, SUITE 110

SITE: MORGAN AVE
200 MORGAN AVENUE
BROOKLYN, NY 11219
BLOCK 2942, LOTS 101

Job # 4867

1

Authorized By (print)

Authorized By (title)

Authorized By (sig)

TIME: 7:00 DATE: 8/23

Transporter:

MCH.
681 MAIN ST
BELLEVILLE

2

Driven By

Truck/Trailer Plate

Driver Signature

TIME: DATE:

Material/Note(s):

SITE LOCATION: _____

RESIDENTIAL ☐

NON-RESIDENTIAL ☒

Manifest
Number

69505



Project under the management of Impact
Environmental. In case of emergency call 631-269-
8800 or 516-805-8800

TARE WEIGHT MUST BE INCLUDED
NET WEIGHT 62920 GROSS WEIGHT 90580
NET TONS TARE WEIGHT 27660
TICKET NUMBER 28476

Receiving Facility:

Lincoln Park West Landfill Closure Site
Duncan Avenue
Jersey City, NJ

3

Received By (print)

Date/Time

By signing this manifest the Hauler accepts that it is solely
responsible for the amount of material that is being transported
as well as the methods and means for its travel.

Driven By (sig)

LINCOLN PARK WEST

Managed by Persistent Construction Corp. /
Impact Environmental
Duncan Avenue, Jersey City
Hudson County, NJ

Manifest Number: **69,502**

Scale Number: **9928477** **28477**

SCALE TICKET

Part 1

GENERATOR

Generator **4887**, Address and Telephone #:

English Kills Ventures
5014 16th Ave, Suite 110

Source **Morgan Ave** (Description and Address):

200 Morgan Avenue
Brooklyn NY 11219

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

NON RES SOIL
Classification of Material:

non res

WEIGHT

GROSS/TARE/NET (lbs)

96060 lb

26500 lb

69560 lb

NET (Tons):

34.780 tn

NOTES:

Part 3

WEIGHT CERTIFICATION

Ryan Adair

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program. Where loads are accepted by volume, this certification is made to the maximum capacity of the vehicle.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

Tare Time

Gross Time

8/23/12

2:39 pm

2:40 pm

Date and Time In and Out:

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Primary Transporter Name, Address and Permit #:

Secondary Transporter Name, Address and Permit #:

BA16185B and Signature (conditional):

Truck Plate Number:

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Lincoln Park West by Persistent Construction Corp. and Impact Environmental Consulting, Inc. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the Lincoln Park West site. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Persistent Construction Corp. and Impact Environmental Consulting, Inc. to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Lincoln Park West and as directed by the facility staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: ENGLISH KILLS VENTURES
5014 16TH AVENUE, SUITE 110

SITE: MORGAN AVE
200 MORGAN AVENUE
BROOKLYN, NY 11219
BLOCK 2942, LOTS 101

JOB # 4867

1

Authorized By (print) *[Signature]*

Authorized By (title)

Authorized By (sig)

TIME: 7:00 DATE: 8/23

Transporter:

*Global
CP Trucking
#27*

2

Driven By *San Diego Sierra*

Truck/Trailer Plate ~~AK485D~~ *AK485D*

Driver Signature *[Signature]*

TIME: 1:15 DATE: 8-23-12

Material/Note(s):

SITE LOCATION: _____

RESIDENTIAL ☐

NON-RESIDENTIAL ☒

Manifest
Number

69502



TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 69560 GROSS WEIGHT 96060

NET TONS _____ TARE WEIGHT 26500

TICKET NUMBER 28477

Project under the management of Impact
Environmental. In case of emergency call 631-269-
8800 or 516-805-8900

Receiving Facility:

Lincoln Park West Landfill Closure Site
Duncan Avenue
Jersey City, NJ

3

Received By (print) *RL*

Date/Time *2:40 PM 8/23/12*

By signing this manifest the Hauler accepts that it is solely
responsible for the amount of material that is being transported
as well as the methods and means for its travel.

Driven By (sig)

LINCOLN PARK WEST

Managed by Persistent Construction Corp. /
Impact Environmental
Duncan Avenue, Jersey City
Hudson County, NJ

Manifest Number: **69,501**

9928479 Number: **28479**

SCALE TICKET

Part 1

GENERATOR

Generator **4887**, Address and Telephone #:

English Kills Ventures
5014 16th Ave, Suite 110

Source **Morgan Ave** (Description and Address):

200 Morgan Avenue
Brooklyn NY 11219

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

NON RES SOIL
Classification of Material:

non res

NOTES:

WEIGHT

GROSS/TARE/NET (lbs)

91720 lb

28900 lb

62820 lb

NET (Tons):

31.410 tn

Part 3

WEIGHT CERTIFICATION

Ryan Adair

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program. Where loads are accepted by volume, this certification is made to the maximum capacity of the vehicle.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

8/23/12

Tare Time

2:49 pm

Gross Time

2:49 pm

Date and Time In and Out:

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Primary Transporter Name, Address and Permit #:

B&M 03

Secondary Transporter Name, Address and Permit #:

DAM1060 and Signature (conditional):

Truck Plate Number:

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Lincoln Park West by Persistent Construction Corp. and Impact Environmental Consulting, Inc. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the Lincoln Park West site. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Persistent Construction Corp. and Impact Environmental Consulting, Inc. to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Lincoln Park West and as directed by the facility staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: ENGLISH KILLS VENTURES
5014 16TH AVENUE, SUITE 110

SITE: MORGAN AVE
200 MORGAN AVENUE
BROOKLYN, NY 11219
BLOCK 2942, LOTS 101

Job # 4867

1

Authorized By (print)

Authorized By (title)

Authorized By (sig)

TIME: 7:00 DATE: 8/23

Transporter:

GES/
B+M Trucking

2

Driven By

Truck/Trailer Plate

Driver Signature

TIME: 1:15 pm DATE: 8/23/12

Manifest
Number

69501



Material/Note(s):

SITE LOCATION: _____

RESIDENTIAL ☐

NON-RESIDENTIAL ☒

Project under the management of Impact
Environmental. In case of emergency call 631-269-
8800 or 516-805-8900

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 62800 GROSS WEIGHT 91720

NET TONS _____ TARE WEIGHT 28900

TICKET NUMBER 23479

Receiving Facility:

Lincoln Park West Landfill Closure Site
Duncan Avenue
Jersey City, NJ

3

Received By (print)

Date/Time

By signing this manifest the Hauler accepts that it is solely
responsible for the amount of material that is being transported
as well as the methods and means for its travel.

Driven By (sig)

LINCOLN PARK WEST

Managed by Persistent Construction Corp. /
Impact Environmental
Duncan Avenue, Jersey City
Hudson County, NJ

Manifest Number: **69,517**

9928489 Number: **28489**

SCALE TICKET

Part 1

GENERATOR

Generator **4967**, Address and Telephone #:

English Kills Ventures
5014 16th Ave, Suite 110

Source **Morgan Ave** (Description and Address):

200 Morgan Avenue
Brooklyn NY 11219

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

NON RES SOIL
Classification of Material:

non res

WEIGHT

GROSS/TARE/NET (lbs)

90700 lb

26340 lb

64360 lb

NET (Tons):

32.180 tn

NOTES:

Part 3

WEIGHT CERTIFICATION

Ryan Adair

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program. Where loads are accepted by volume, this certification is made to the maximum capacity of the vehicle.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

8/23/12

Tare Time

3:56 pm

Gross Time

3:57 pm

Date and Time In and Out:

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Primary Transporter Name, Address and Permit #:

Secondary Transporter Name, Address and Permit #:

DANOSTR and Signature (conditional):

Truck Plate Number:

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Lincoln Park West by Persistent Construction Corp. and Impact Environmental Consulting, Inc. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the Lincoln Park West site. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Persistent Construction Corp. and Impact Environmental Consulting, Inc. to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Lincoln Park West and as directed by the facility staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: ENGLISH KILLS VENTURES
5014 16TH AVENUE, SUITE 110

SITE: MORGAN AVE
200 MORGAN AVENUE
BROOKLYN, NY 11219
BLOCK 2942, LOTS 101

Job # 4867

1

Authorized By (print) *[Signature]*

Authorized By (title)

Authorized By (sig)

TIME: 7:00 DATE: 8/23

Transporter:

DI TRUCKING
NEWARK NJ

2

Driven By *Jesus Mangual*

Truck/Trailer Plate AM687R

Driver Signature *[Signature]*

TIME: 2:00 DATE: 8-23-12

Material/Note(s):

SITE LOCATION: _____

RESIDENTIAL ☐

NON-RESIDENTIAL ☒

Manifest
Number

69517



Project under the management of Impact
Environmental. In case of emergency call 631-269-
8800 or 516-805-8900

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 64360 GROSS WEIGHT 90700

NET TONS _____ TARE WEIGHT 26340

TICKET NUMBER 28489

Receiving Facility:

Lincoln Park West Landfill Closure Site
Duncan Avenue
Jersey City, NJ

3

Received By (print) *RL*

Date/Time 3:57 PM 8/23/12

By signing this manifest, the Hauler accepts that it is solely
responsible for the amount of material that is being transported
as well as the methods and means for its travel.

Driven By (sig) *[Signature]*

LINCOLN PARK WEST

Managed by Persistent Construction Corp. /
Impact Environmental
Duncan Avenue, Jersey City
Hudson County, NJ

Manifest Number: **69,516**

9928491
Number: **28491**

SCALE TICKET

Part 1

GENERATOR

Generator # **4867**, Address and Telephone #:

English Kills Ventures
5014 16th Ave, Suite 110

Source of Material (Description and Address):

Morgan Ave
200 Morgan Avenue
Brooklyn NY 11219

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

NON RES SOIL
Classification of Material:

non res

NOTES:

WEIGHT

GROSS/TARE/NET (lbs)

86780 lb

28000 lb

58780 lb

NET (Tons):

29.390 tn

Part 3

WEIGHT CERTIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program. Where loads are accepted by volume, this certification is made to the maximum capacity of the vehicle.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Ryan Adair

Name of Scale Operator:

Tare Time

Gross Time

8/24/12

7:09 am

7:10 am

Date and Time In and Out:

Scale Operator Notes:

TRANSPORTER DATA AND CERTIFICATION

Primary Transporter Name, Address and Permit #:

Secondary Transporter Name, Address and Permit #:

DANIEL and Signature (conditional):
E. J. W. H.

Truck Plate Number:

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Lincoln Park West by Persistent Construction Corp. and Impact Environmental Consulting, Inc. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the Lincoln Park West site. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Persistent Construction Corp. and Impact Environmental Consulting, Inc. to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Lincoln Park West and as directed by the facility staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: ENGLISH KILLS VENTURES
5014 16TH AVENUE, SUITE 110

SITE: MORGAN AVE
200 MORGAN AVENUE
BROOKLYN, NY 11219
BLOCK 2942, LOTS 101

JOB # 4867

1

Authorized By (print)

Authorized By (title)

Authorized By (sig)

TIME: 7:00

DATE: 8/23

Transporter:

MANOLO'S TRUCKING
(01)

2

Driven By E. TUNOILW

Truck/Trailer Plate AN 421 H

Driver Signature E. TUNOILW

TIME: 6:15

DATE: 08-24-12

Material/Note(s):

SITE LOCATION: _____

RESIDENTIAL ☐

NON-RESIDENTIAL ☒

Manifest
Number

69516



TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 53780 GROSS WEIGHT 36730

NET TONS TARE WEIGHT 23000

TICKET NUMBER 2349

Project under the management of Impact
Environmental. In case of emergency call 631-269-
8800 or 516-805-8800

Receiving Facility:

Lincoln Park West Landfill Closure Site
Duncan Avenue
Jersey City, NJ

3

Received By (print) R

Date/Time

7:10 AM 8/24/12

By signing this manifest the Hauler accepts that it is solely
responsible for the amount of material that is being transported
as well as the methods and means for its travel.

Driven By (sig)

LINCOLN PARK WEST

Managed by Persistent Construction Corp. /
Impact Environmental
Duncan Avenue, Jersey City
Hudson County, NJ

Manifest Number: **69,518**

9928492
28492

SCALE TICKET

Part 1

GENERATOR

Generator **4867**, Address and Telephone #:

English Kills Ventures

5014 16th Ave, Suite 110

Source **Morgan Ave** (Description and Address):

200 Morgan Avenue

Brooklyn

NY

11219

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

NON RES SOIL
Classification of Material:

non res

WEIGHT

GROSS/TARE/NET (lbs)

87800 lb

28900 lb

58900 lb

NET (Tons):

28.450 tn

NOTES:

Part 3

WEIGHT CERTIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program. Where loads are accepted by volume, this certification is made to the maximum capacity of the vehicle.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Ryan Adair

Name of Scale Operator:

Tare Time

Gross Time

8/24/12

7:12 am

7:42 am

Date and Time In and Out:

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Primary Transporter Name, Address and Permit #:

B3M-03

Secondary Transporter Name, Address and Permit #:

DA1006 and Signature (conditional):

Truck Plate Number:

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Lincoln Park West by Persistent Construction Corp. and Impact Environmental Consulting, Inc. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the Lincoln Park West site. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Persistent Construction Corp. and Impact Environmental Consulting, Inc. to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Lincoln Park West and as directed by the facility staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: ENGLISH KILLS VENTURES
5014 16TH AVENUE, SUITE 110

SITE: MORGAN AVE
200 MORGAN AVENUE
BROOKLYN, NY 11219
BLOCK 2942, LOTS 101

JOB # 4867

1

Authorized By (print) *[Signature]*

Authorized By (title)

Authorized By (sig)

TIME: 7:00 DATE: 8/25

Transporter:

GES
B+M TRUCKING

2

Driven By William Grace

Truck/Trailer Plate H03 AM1066

Driver Signature William Grace

TIME: 6:00 AM DATE: 8/24/12

Manifest
Number

69518



Material/Note(s):

SITE LOCATION: _____

RESIDENTIAL ☐

NON-RESIDENTIAL ☒

Project under the management of Impact
Environmental. In case of emergency call 631-269-
8800 or 516-805-8900

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 57900 GROSS WEIGHT 77800

NET TONS _____ TARE WEIGHT 28900

TICKET NUMBER 28492

Receiving Facility:

Lincoln Park West Landfill Closure Site
Duncan Avenue
Jersey City, NJ

3

Received By (print) *[Signature]*

Date/Time 7:13 AM 8/24/12

By signing this manifest the Hauler accepts that it is solely
responsible for the amount of material that is being transported
as well as the methods and means for its travel.

Driven By (sig) *[Signature]*

LINCOLN PARK WEST

Managed by Persistent Construction Corp. /
Impact Environmental
Duncan Avenue, Jersey City
Hudson County, NJ

Manifest Number: **69,513**

9978494 Number: **28494**

SCALE TICKET

Part 1

GENERATOR

Generator **4867**, Address and Telephone #:

English Kills Ventures

5014 16th Ave, Suite 110

Source **Morgan Ave** Description and Address):

200 Morgan Avenue

Brooklyn

NY

11219

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

NON RES SOIL
Classification of Material:

non res

WEIGHT

GROSS/TARE/NET (lbs)

94400 lb

28780 lb

65600 lb

NET (Tons):

32840 tn

NOTES:

Part 3

WEIGHT CERTIFICATION

Ryan Adair

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program. Where loads are accepted by volume, this certification is made to the maximum capacity of the vehicle.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

Tare Time

Gross Time

8/24/12

7:41 am

7:42 am

Date and Time In and Out:

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Primary Transporter Name, Address and Permit #:

Secondary Transporter Name, Address and Permit #:

DAKOTAW and Signature (conditional):

Truck Plate Number:

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Lincoln Park West by Persistent Construction Corp. and Impact Environmental Consulting, Inc. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the Lincoln Park West site. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Persistent Construction Corp. and Impact Environmental Consulting, Inc. to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Lincoln Park West and as directed by the facility staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: ENGLISH KILLS VENTURES
5014 16TH AVENUE, SUITE 110

SITE: MORGAN AVE
200 MORGAN AVENUE
BROOKLYN, NY 11219
BLOCK 2942, LOTS 101

Job # 4867

1

Authorized By (print)

Authorized By (title)

Authorized By (sig)

TIME: 7:00

DATE: 8/24

Transporter:

F & Y. Muñoz
TRUCKING
Bloomfield
NJ

2

Driven By

Claudio

Truck/Trailer Plate

#20 AK.972W

Driver Signature

TIME:

DATE: 8/24/12

Material/Note(s):

SITE LOCATION: _____

RESIDENTIAL

☐

NON-RESIDENTIAL

☒

Manifest
Number

69513



Project under the management of Impact
Environmental. In case of emergency call 631-269-
8800 or 516-805-8900

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT

GROSS WEIGHT

NET TONS

TARE WEIGHT

TICKET NUMBER

65670

94460

28730

28499

Received By (print)

RL

Date/Time

7:42 AM 8/24/12

Receiving Facility:

Lincoln Park West Landfill Closure Site
Duncan Avenue
Jersey City, NJ

3

By signing this manifest the Hauler accepts that it is solely
responsible for the amount of material that is being transported
as well as the methods and means for its travel.

Driven By (sig)

LINCOLN PARK WEST

Managed by Persistent Construction Corp. /
Impact Environmental
Duncan Avenue, Jersey City
Hudson County, NJ

Manifest Number: **69,515**

9928495 Number: **28495**

SCALE TICKET

Part 1

GENERATOR

Generator **4867**, Address and Telephone #:

English Kills Ventures
5014 16th Ave, Suite 110

Source **Morgan Ave** (Description and Address):

200 Morgan Avenue
Brooklyn NY 11219

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

NON-RES SOIL
Classification of Material:

non res

WEIGHT

GROSS/TARE/NET (lbs)

92840 lb

30200 lb

62640 lb

NET (Tons):

31.320 tn

NOTES:

Part 3

WEIGHT CERTIFICATION

Ryan Adair

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program. Where loads are accepted by volume, this certification is made to the maximum capacity of the vehicle.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

Tare Time

Gross Time

8/24/12

7:46 am

7:46 am

Date and Time In and Out:

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Primary Transporter Name, Address and Permit #:

Secondary Transporter Name, Address and Permit #:

DAK1761 and Signature (conditional):

LEO RUIO MUÑOZ

Truck Plate Number:

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Lincoln Park West by Persistent Construction Corp. and Impact Environmental Consulting, Inc. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the Lincoln Park West site. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Persistent Construction Corp. and Impact Environmental Consulting, Inc. to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Lincoln Park West and as directed by the facility staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: ENGLISH KILLS VENTURES
5014 16TH AVENUE, SUITE 110

SITE: MORGAN AVE
200 MORGAN AVENUE
BROOKLYN, NY 11219
BLOCK 2942, LOTS 101

JOB # 4867

1

Authorized By (print)

Authorized By (title)

Authorized By (sig)

TIME: 7:00 DATE: 8/23

Transporter:

MUNOZ FSY
17

2

Driven By LEONCIO MUNOZ

Truck/Trailer Plate AK176A

Driver Signature

TIME: 6:25 DATE: 8/24/12

Material/Note(s):

SITE LOCATION: _____

RESIDENTIAL ☐

NON-RESIDENTIAL ☒

Manifest
Number

69515



Project under the management of Impact
Environmental. In case of emergency call 631-269-
8800 or 516-805-8900

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 62642 GROSS WEIGHT 92840

NET TONS _____ TARE WEIGHT 30200

TICKET NUMBER 23495

Receiving Facility:

Lincoln Park West Landfill Closure Site
Duncan Avenue
Jersey City, NJ

3

Received By (print)

Date/Time

By signing this manifest the Hauler accepts that it is solely
responsible for the amount of material that is being transported
as well as the methods and means for its travel.

Driven By (sig)

LINCOLN PARK WEST

Managed by Persistent Construction Corp. /
Impact Environmental
Duncan Avenue, Jersey City
Hudson County, NJ

Manifest Number: **69,429**

9928496 Number: **28496**

SCALE TICKET

Part 1

GENERATOR

Generator **4867**, Address and Telephone #:

English Kills Ventures
5014 16th Ave, Suite 110

Source **Morgan Ave** Description and Address):

200 Morgan Avenue
Brooklyn NY 11219

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

NON RES SOIL
Classification of Material:

non res

NOTES:

WEIGHT

GROSS/TARE/NET (lbs)

102540 lb

30240 lb

72300 lb

NET (Tons):

36150 tn

Part 3

WEIGHT CERTIFICATION

Ryan Adair

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program. Where loads are accepted by volume, this certification is made to the maximum capacity of the vehicle.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator: **8/24/12** Tare Time: **7:52 am** Gross Time: **7:53 am**

Date and Time In and Out:

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Primary Transporter Name, Address and Permit #:

Secondary Transporter Name, Address and Permit #:

ALSTON and Signature (conditional):

Truck Plate Number:

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Lincoln Park West by Persistent Construction Corp. and Impact Environmental Consulting, Inc. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the Lincoln Park West site. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Persistent Construction Corp. and Impact Environmental Consulting, Inc. to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Lincoln Park West and as directed by the facility staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: ENGLISH KILLS VENTURES
5014 16TH AVENUE, SUITE 110

SITE: MORGAN AVE
200 MORGAN AVENUE
BROOKLYN, NY 11219
BLOCK 2942, LOTS 101

JOB # 4867

1

Authorized By (print)

Authorized By (title)

Authorized By (sig)

TIME: _____ DATE: _____

Transporter:

C F Brooks
69 West 3000 st
BOCA BROOK
NJ

2

Driven By JOSE QUINTERO

Truck/Trailer Plate AL794W

Driver Signature JOSE QUINTERO

TIME: _____ DATE: 9-23-12

Material/Note(s):

SITE LOCATION: _____

RESIDENTIAL ☐

NON-RESIDENTIAL ☒

Manifest
Number

69429



Project under the management of Impact
Environmental. In case of emergency call 631-269-
8800 or 516-805-8900

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 77300 GROSS WEIGHT 102540

NET TONS _____ TARE WEIGHT 30240

TICKET NUMBER 28496

Receiving Facility:

Lincoln Park West Landfill Closure Site
Duncan Avenue
Jersey City, NJ

3

Received By (print) RL

Date/Time

7:53 AM 8/24/12

By signing this manifest the Hauler accepts that it is solely
responsible for the amount of material that is being transported
as well as the methods and means for its travel.

Driven By (sig)

LINCOLN PARK WEST

Managed by Persistent Construction Corp. /
Impact Environmental
Duncan Avenue, Jersey City
Hudson County, NJ

Manifest Number: **69,514**

9928499 number: **28499**

SCALE TICKET

Part 1

GENERATOR

Generator **4807**, Address and Telephone #:

English Kills Ventures

5014 16th Ave, Suite 110

Source **Morgan Ave** (Description and Address):

200 Morgan Avenue

Brooklyn

NY

11219

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

non res

WEIGHT

GROSS/TARE/NET (lbs)

91140 lb

26500 lb

64640 lb

NET (Tons):

32.320 tn

NOTES:

Part 3

WEIGHT CERTIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program. Where loads are accepted by volume, this certification is made to the maximum capacity of the vehicle.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Ryan Adair

Name of Scale Operator:

8/24/12

Tare Time:

8:12 am

Gross Time:

8:13 am

Date and Time In and Out:

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Primary Transporter Name, Address and Permit #:

Secondary Transporter Name, Address and Permit #:

DAN 851K and Signature (conditional):

Truck Plate Number:

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Lincoln Park West by Persistent Construction Corp. and Impact Environmental Consulting, Inc. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the Lincoln Park West site. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Persistent Construction Corp. and Impact Environmental Consulting, Inc. to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Lincoln Park West and as directed by the facility staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: ENGLISH KILLS VENTURES
5014 16TH AVENUE, SUITE 110

SITE: MORGAN AVE
200 MORGAN AVENUE
BROOKLYN, NY 11219
BLOCK 2942, LOTS 101

JOB # 4867

1

Authorized By (print)

Authorized By (title)

Authorized By (sig)

TIME: 7:00 DATE: 8/29

Transporter:

C.F. BROTHERS
#8

2

Driven By

Truck/Trailer Plate AN 954K

Driver Signature

TIME: DATE:

Material/Note(s):

SITE LOCATION: _____

RESIDENTIAL ☐

NON-RESIDENTIAL ☒

Manifest
Number

69514



Project under the management of Impact
Environmental. In case of emergency call 631-269-
8800 or 516-805-8900

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 64640 GROSS WEIGHT 91140

NET TONS TARE WEIGHT 26500

TICKET NUMBER 28499

Receiving Facility:

Lincoln Park West Landfill Closure Site
Duncan Avenue
Jersey City, NJ

3

Received By (print)

Date/Time

8:13 AM 8/24/2

By signing this manifest the Hauler accepts that it is solely
responsible for the amount of material that is being transported
as well as the methods and means for its travel.

Driven By (sig)

LINCOLN PARK WEST

Managed by Persistent Construction Corp. /
Impact Environmental
Duncan Avenue, Jersey City
Hudson County, NJ

Manifest Number: **69,448**

9928500 Number: **28500**

SCALE TICKET

Part 1

GENERATOR

Generator **4867**, Address and Telephone #:

English Kills Ventures
5014 16th Ave. Suite 110

Source **Morgan Ave** (Description and Address):

200 Morgan Avenue
Brooklyn NY 11219

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

NON RES SOIL
Classification of Material:

non res

WEIGHT

GROSS/TARE/NET (lbs)

89780 lb

29340 lb

60440 lb

NET (Tons):

30.220 tn

NOTES:

Part 3

WEIGHT CERTIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program. Where loads are accepted by volume, this certification is made to the maximum capacity of the vehicle.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Ryan Adair

Name of Scale Operator: **Tare Time** **Gross Time**
8/24/12 **8:16 am** **8:17 am**

Date and Time In and Out:

Scale Operator Notes:

TRANSPORTER DATA AND CERTIFICATION

Primary Transporter Name, Address and Permit #:

Secondary Transporter Name, Address and Permit #:

AN0300 and Signature (conditional):

[Signature]

Truck Plate Number:

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Lincoln Park West by Persistent Construction Corp. and Impact Environmental Consulting, Inc. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the Lincoln Park West site. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Persistent Construction Corp. and Impact Environmental Consulting, Inc. to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Lincoln Park West and as directed by the facility staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: ENGLISH KILLS VENTURES
5014 16TH AVENUE, SUITE 110

SITE: MORGAN AVE
200 MORGAN AVENUE
BROOKLYN, NY 11219
BLOCK 2942, LOTS 101

JOB # 4867

1

Authorized By (print)

Authorized By (title)

Authorized By (sig)

TIME: _____ DATE: _____

Transporter:

MCB.

2

Driven By MARCO BERTEO

Truck/Trailer Plate HCB # 2.
AN 639.J

Driver Signature

TIME: _____ DATE: _____

Material/Note(s):

SITE LOCATION: _____

RESIDENTIAL ☐

NON-RESIDENTIAL ☒

Manifest
Number

69448



Project under the management of Impact
Environmental. In case of emergency call 631-269-
8800 or 516-805-8900

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 60440 GROSS WEIGHT 39730

NET TONS _____ TARE WEIGHT 29340

TICKET NUMBER 28500

Receiving Facility:

Lincoln Park West Landfill Closure Site
Duncan Avenue
Jersey City, NJ

3

Received By (print)

Date/Time

8:17 AM 8/24/02

By signing this manifest the Hauler accepts that it is solely
responsible for the amount of material that is being transported
as well as the methods and means for its travel.

Driven By (sig)

MCB

LINCOLN PARK WEST

Managed by Persistent Construction Corp. /
Impact Environmental
Duncan Avenue, Jersey City
Hudson County, NJ

Manifest Number: **69,449**

9928501 Number: **28501**

SCALE TICKET

Part 1

GENERATOR

Generator **1887**, Address and Telephone #:

English Kills Ventures
5014 16th Ave, Suite 110

Source **Morgan Ave** (Description and Address):

200 Morgan Avenue
Brooklyn NY 11219

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

NON RES SOIL
Classification of Material:

non res

WEIGHT

GROSS/TARE/NET (lbs)

89680 lb

28200 lb

61460 lb

NET (Tons):

30.730 tn

NOTES:

Part 3

WEIGHT CERTIFICATION

Ryan Adair

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program. Where loads are accepted by volume, this certification is made to the maximum capacity of the vehicle.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator: **8/24/12** Tare Time: **8:10 am** Gross Time: **8:20 am**

Date and Time In and Out:

Scale Operator Notes:

TRANSPORTER DATA AND CERTIFICATION

Primary Transporter Name, Address and Permit #:

Secondary Transporter Name, Address and Permit #:

AK2018 and Signature (conditional): *Wilson*

Truck Plate Number:

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Lincoln Park West by Persistent Construction Corp. and Impact Environmental Consulting, Inc. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the Lincoln Park West site. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Persistent Construction Corp. and Impact Environmental Consulting, Inc. to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Lincoln Park West and as directed by the facility staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: ENGLISH KILLS VENTURES
5014 16TH AVENUE, SUITE 110

SITE: MORGAN AVE
200 MORGAN AVENUE
BROOKLYN, NY 11219
BLOCK 2942, LOTS 101

JOB # 4867

1

Authorized By (print)

Authorized By (title)

Authorized By (sig)

TIME: _____ DATE: _____

Transporter:

ANDRADE'S TRANS

2

Driven By Nelson Andrade

Truck/Trailer Plate AK2015 NT

Driver Signature Nelson Andrade

TIME: _____ DATE: 8-24-12

Material/Note(s):

SITE LOCATION: _____

RESIDENTIAL ☐

NON-RESIDENTIAL ☒

Manifest
Number

69449



Project under the management of Impact
Environmental. In case of emergency call 631-269-
8800 or 516-805-8900

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 11460 GROSS WEIGHT 79660

NET TONS _____ TARE WEIGHT 28200

TICKET NUMBER 28501

Receiving Facility:

Lincoln Park West Landfill Closure Site
Duncan Avenue
Jersey City, NJ

3

Received By (print) RH

Date/Time

8:20 AM 8/24/12

By signing this manifest the Hauler accepts that it is solely
responsible for the amount of material that is being transported
as well as the methods and means for its travel.

Driven By (sig)

Nelson Andrade

LINCOLN PARK WEST

Managed by Persistent Construction Corp. /
Impact Environmental
Duncan Avenue, Jersey City
Hudson County, NJ

Manifest Number: **69,430**

9928514
Ticket Number: **28514**

SCALE TICKET

Part 1

GENERATOR

Generator Name, Address and Telephone #:
English Kills Ventures
5014 16th Ave, Suite 110

Source of Material (Description and Address):
Morgan Ave
200 Morgan Avenue
Brooklyn NY 11219

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

NON RES SOIL
Classification of Material:

NOTES:

WEIGHT

GROSS/TARE/NET (lbs)

66360 lb

26800 lb

61560 lb

NET (Tons):

30.780 tn

Part 3

WEIGHT CERTIFICATION

Ryan Adair

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program. Where loads are accepted by volume, this certification is made to the maximum capacity of the vehicle.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator: **8/24/12** Tare Time: **8:50 am** Gross Time: **8:50 am**

Date and Time In and Out:

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Primary Transporter Name, Address and Permit #:

Secondary Transporter Name, Address and Permit #:

AM143B
Driver Name and Signature (conditional):

Truck Plate Number:

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Lincoln Park West by Persistent Construction Corp. and Impact Environmental Consulting, Inc. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the Lincoln Park West site. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Persistent Construction Corp. and Impact Environmental Consulting, Inc. to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Lincoln Park West and as directed by the facility staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: ENGLISH KILLS VENTURES
5014 16TH AVENUE, SUITE 110

SITE: MORGAN AVE
200 MORGAN AVENUE
BROOKLYN, NY 11219
BLOCK 2942, LOTS 101

Job # 4867

1

Authorized By (print)

Authorized By (title)

Authorized By (sig)

TIME: _____ DATE: _____

Transporter:

JAYM TRANSP LLC.

2

Driven By JOAN DON

JAYM.
Truck/Trailer Plate AM 143R

Driver Signature

TIME: _____ DATE: _____

Material/Note(s):

SITE LOCATION: _____

RESIDENTIAL ☐

NON-RESIDENTIAL ☒

Manifest
Number

69430



Project under the management of Impact
Environmental. In case of emergency call 631-269-
8800 or 516-805-8900

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 61560 GROSS WEIGHT 77360

NET TONS _____ TARE WEIGHT 26200

TICKET NUMBER 28514

Receiving Facility:

Lincoln Park West Landfill Closure Site
Duncan Avenue
Jersey City, NJ

3

Received By (print)

Date/Time

8:31 AM 8/24/12

By signing this manifest the Hauler accepts that it is solely
responsible for the amount of material that is being transported
as well as the methods and means for its travel.

Driven By (sig)

LINCOLN PARK WEST

Managed by Persistent Construction Corp. /
Impact Environmental
Duncan Avenue, Jersey City
Hudson County, NJ

Manifest Number: **69,428**

9928515
Ticket Number: **28515**

SCALE TICKET

Part 1

GENERATOR

Generator Name, Address and Telephone #:
English Kills Ventures
5014 16th Ave, Suite 110

Source of Material (Description and Address):
Morgan Ave
200 Morgan Avenue
Brooklyn NY 11219

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

NON RES SOIL
Classification of Material:

non res

WEIGHT

GROSS/TARE/NET (lbs)

92060 lb

26300 lb

65760 lb

NET (Tons):

32.880 tn

NOTES:

Part 3

WEIGHT CERTIFICATION

Ryan Adair

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program. Where loads are accepted by volume, this certification is made to the maximum capacity of the vehicle.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:	Tare Time	Gross Time
8/24/12	8:52 am	8:52 am

Date and Time In and Out:

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Primary Transporter Name, Address and Permit #:

Secondary Transporter Name, Address and Permit #:

AM991T
Driver Name and Signature (conditional):

Truck Plate Number:

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Lincoln Park West by Persistent Construction Corp. and Impact Environmental Consulting, Inc. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the Lincoln Park West site. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Persistent Construction Corp. and Impact Environmental Consulting, Inc. to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Lincoln Park West and as directed by the facility staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: ENGLISH KILLS VENTURES
5014 16TH AVENUE, SUITE 110

SITE: MORGAN AVE
200 MORGAN AVENUE
BROOKLYN, NY 11219
BLOCK 2942, LOTS 101

JOB # 4867

1

Authorized By (print)

Authorized By (title)

Authorized By (sig)

TIME: _____ DATE: _____

Transporter:

W. JOHNSON
TRANS CORP

2

Driven By WALTER

Truck/Trailer Plate AM941T

Driver Signature

TIME: _____ DATE: 8/24/12

Material/Note(s):

SITE LOCATION: _____

RESIDENTIAL ☐

NON-RESIDENTIAL ☒

Manifest
Number

69428



Project under the management of Impact
Environmental. In case of emergency call 631-269-
8800 or 516-805-8900

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 65760 GROSS WEIGHT 92060

NET TONS _____ TARE WEIGHT 26300

TICKET NUMBER 28515

Receiving Facility:

Lincoln Park West Landfill Closure Site
Duncan Avenue
Jersey City, NJ

3

Received By (print) RL

Date/Time

8:53 AM 8/24/12

By signing this manifest the Hauler accepts that it is solely
responsible for the amount of material that is being transported
as well as the methods and means for its travel.

Driven By (sig)

LINCOLN PARK WEST

Managed by Persistent Construction Corp. /
Impact Environmental
Duncan Avenue, Jersey City
Hudson County, NJ

Manifest Number: **69,427**

Scale Number: **28520**

SCALE TICKET

Part 1

GENERATOR

Generator Name, Address and Telephone #:
English Hills Ventures
5014 16th Ave, Suite 110

Source of Material (Description and Address):
200 Morgan Avenue
Brooklyn NY 11219

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

NON RES SOIL
Classification of Material:

NOTES:

WEIGHT

GROSS/TARE/NET (lbs)

61140 lb

28900 lb

62240 lb

NET (Tons):

31.120 tn

Part 3

WEIGHT CERTIFICATION

Ryan Adair

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program. Where loads are accepted by volume, this certification is made to the maximum capacity of the vehicle.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator: **8/24/12** Tare Time: **9:08 am** Gross Time: **9:08 am**

Date and Time In and Out:

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Primary Transporter Name, Address and Permit #:

Secondary Transporter Name, Address and Permit #:

Driver Name and Signature (conditional):
Joel

Truck Plate Number:

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Lincoln Park West by Persistent Construction Corp. and Impact Environmental Consulting, Inc. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the Lincoln Park West site. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Persistent Construction Corp. and Impact Environmental Consulting, Inc. to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Lincoln Park West and as directed by the facility staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: ENGLISH KILLS VENTURES
5014 16TH AVENUE, SUITE 110

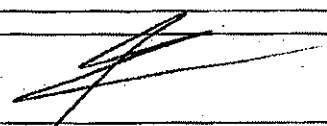
SITE: MORGAN AVE
200 MORGAN AVENUE
BROOKLYN, NY 11219
BLOCK 2942, LOTS 101

Job # 4867

1

Authorized By (print)

Authorized By (title)

Authorized By (sig) 

TIME: _____ DATE: _____

Transporter:

MCB #3

2

Driven By Joel P.

Truck/Trailer Plate #3 AM612M

Driver Signature

Joel P.

TIME: _____ DATE: 8-24-12

Material/Note(s):

SITE LOCATION: _____

RESIDENTIAL ☐

NON-RESIDENTIAL ☒

Manifest
Number

69427



Project under the management of Impact
Environmental. In case of emergency call 631-269-
8800 or 516-805-8900

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 62240 GROSS WEIGHT 91140

NET TONS _____ TARE WEIGHT 23900

TICKET NUMBER 23520

Receiving Facility:

Lincoln Park West Landfill Closure Site
Duncan Avenue
Jersey City, NJ

3

Received By (print) Rh

Date/Time

9:09 AM 8/24/12

By signing this manifest the Hauler accepts that it is solely
responsible for the amount of material that is being transported
as well as the methods and means for its travel.

Driven By (sig)

Joel P.

LINCOLN PARK WEST

Managed by Persistent Construction Corp. /
Impact Environmental
Duncan Avenue, Jersey City
Hudson County, NJ

Manifest Number: **69,426**

Scale Number: **9928521**
Ticket Number: **28521**

SCALE TICKET

Part 1

GENERATOR

Generator Name, Address and Telephone #:
English Kills Ventures
5014 16th Ave, Suite 110

Source of Material (Description and Address):
200 Morgan Avenue
Brooklyn NY 11219

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

NON RES SOIL
Classification of Material:

non res

NOTES:

WEIGHT

GROSS/TARE/NET (lbs)
92340 lb
28560 lb
63780 lb

NET (Tons):
31.890 tn

Part 3

WEIGHT CERTIFICATION

Ryan Adair

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program. Where loads are accepted by volume, this certification is made to the maximum capacity of the vehicle.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator: **8/24/12** Tare Time: **9:09 am** Gross Time: **9:10 am**

Date and Time In and Out:

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Primary Transporter Name, Address and Permit #:

Secondary Transporter Name, Address and Permit #:

Driver Name and Signature (Conditional):

Truck Plate Number:

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Lincoln Park West by Persistent Construction Corp. and Impact Environmental Consulting, Inc. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the Lincoln Park West site. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Persistent Construction Corp. and Impact Environmental Consulting, Inc. to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Lincoln Park West and as directed by the facility staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: ENGLISH KILLS VENTURES
5014 16TH AVENUE, SUITE 110

SITE: MORGAN AVE
200 MORGAN AVENUE
BROOKLYN, NY 11219
BLOCK 2942, LOTS 101

Job # 4867

1

Authorized By (print)

Authorized By (title)

Authorized By (sig)

TIME: _____ DATE: _____

Transporter:

MANOLOS

2

Driven By FREDICK

Truck/Trailer Plate AT2193

Driver Signature

TIME: _____ DATE: 8/23/2012

Material/Note(s):

SITE LOCATION: _____

RESIDENTIAL ☐

NON-RESIDENTIAL ☒

Manifest
Number

69426



Project under the management of Impact
Environmental. In case of emergency call 631-269-
8800 or 516-805-8900

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 5380 GROSS WEIGHT 97340

NET TONS _____ TARE WEIGHT 28560

TICKET NUMBER 28520

Receiving Facility:

Lincoln Park West Landfill Closure Site
Duncan Avenue
Jersey City, NJ

3

Received By (print) RT

Date/Time 8/23/2012 9:10 AM

By signing this manifest the Hauler accepts that it is solely
responsible for the amount of material that is being transported
as well as the methods and means for its travel.

Driven By (sig)

LINCOLN PARK WEST

Managed by Persistent Construction Corp. /
Impact Environmental
Duncan Avenue, Jersey City
Hudson County, NJ

Manifest Number:

Ticket Number:

28529

69,425

9928529

SCALE TICKET

Part 1

GENERATOR

Generator Name, Address and Telephone #:

4867

English Kills Ventures

5014 16th Ave, Suite 110

Source of Material (Description and Address):

Morgan Ave

200 Morgan Avenue

Brooklyn NY 11219

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

NON RES SOIL

WEIGHT

GROSS/TARE/NET (lbs)

89860 lb

28000 lb

61860 lb

NET (Tons):

30.930 tn

NOTES:

non res

Part 3

WEIGHT CERTIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program. Where loads are accepted by volume, this certification is made to the maximum capacity of the vehicle.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator: **Ryan Adair**

Date and Time: **8/24/12 9:53 am**

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Primary Transporter Name, Address and Permit #:

Secondary Transporter Name, Address and Permit #:

Driver Name and Signature (conditional):

AN421H *ERWJ116*

Truck Plate Number:

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Lincoln Park West by Persistent Construction Corp. and Impact Environmental Consulting, Inc. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the Lincoln Park West site. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Persistent Construction Corp. and Impact Environmental Consulting, Inc. to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Lincoln Park West and as directed by the facility staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: ENGLISH KILLS VENTURES
5014 16TH AVENUE, SUITE 110

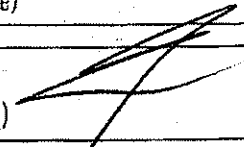
SITE: MORGAN AVE
200 MORGAN AVENUE
BROOKLYN, NY 11219
BLOCK 2942, LOTS 101

JOB # 4867

1

Authorized By (print)

Authorized By (title)

Authorized By (sig) 

TIME: _____ DATE: _____

Transporter:

MANOLO'S TRUCKING
(01)

2

Driven By E. TAVOLAS

Truck/Trailer Plate AN 421 H

Driver Signature Edgar Tavolas

TIME: 8:32 DATE: 8-24-12

Material/Note(s):

SITE LOCATION: _____

RESIDENTIAL ☐

NON-RESIDENTIAL ☒

Manifest
Number

69425



TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 61860 GROSS WEIGHT 89860

NET TONS _____ TARE WEIGHT 28000

TICKET NUMBER 28529

Project under the management of Impact
Environmental. In case of emergency call 631-269-
8800 or 516-805-8900

Receiving Facility:

Lincoln Park West Landfill Closure Site
Duncan Avenue
Jersey City, NJ

3

Received By (print) RL

Date/Time

9:54 AM 8/24/12

By signing this manifest the Hauler accepts that it is solely
responsible for the amount of material that is being transported
as well as the methods and means for its travel.

Driven By (sig)

LINCOLN PARK WEST

Managed by Persistent Construction Corp. /
Impact Environmental
Duncan Avenue, Jersey City
Hudson County, NJ

Manifest Number:

69,437

Ticket Number:

9928537 28537

SCALE TICKET

Part 1

GENERATOR

Generator Name, Address and Telephone #:

4867

English Kills Ventures

5014 16th Ave, Suite 110

Source of Material (Description and Address):

Morgan Ave

200 Morgan Avenue

Brooklyn

NY

11219

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

NON RES SOIL

non res

NOTES:

WEIGHT

GROSS/TARE/NET (lbs)

98040 lb

28900 lb

69140 lb

NET (Tons):

34.570 tn

Part 3

WEIGHT CERTIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program. Where loads are accepted by volume, this certification is made to the maximum capacity of the vehicle.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Ryan Adair

Name of Scale Operator:

Tare Time

Gross Time

8/24/12

10:12 am

10:13 am

Date and Time In and Out:

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Primary Transporter Name, Address and Permit #:

Wm. L. L. L.

Secondary Transporter Name, Address and Permit #:

Driver Name and Signature (conditional):

Truck Plate Number:

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Lincoln Park West by Persistent Construction Corp. and Impact Environmental Consulting, Inc. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the Lincoln Park West site. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Persistent Construction Corp. and Impact Environmental Consulting, Inc. to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Lincoln Park West and as directed by the facility staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: ENGLISH KILLS VENTURES
5014 16TH AVENUE, SUITE 110

SITE: MORGAN AVE
200 MORGAN AVENUE
BROOKLYN, NY 11219
BLOCK 2942, LOTS 101

JOB # 4867

1

Authorized By (print)

Authorized By (title)

Authorized By (sig)

TIME: _____ DATE: _____

Transporter:

GES/
Btm Trucking

2

Driven By

William Calace

Truck/Trailer Plate

#03 AM1066

Driver Signature

W. Calace

TIME: 8:45am DATE: 8/24/12

Manifest
Number

69437



Material/Note(s):

SITE LOCATION: _____

RESIDENTIAL

☐

NON-RESIDENTIAL

☒

Project under the management of Impact
Environmental. In case of emergency call 631-269-
8800 or 516-805-8800

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT

69140

GROSS WEIGHT

92040

NET TONS

TARE WEIGHT

22900

TICKET NUMBER

28537

Receiving Facility:

Lincoln Park West Landfill Closure Site
Duncan Avenue
Jersey City, NJ

3

Received By (print)

RL

Date/Time

10:13 AM 8/24/12

By signing this manifest the Hauler accepts that it is solely
responsible for the amount of material that is being transported
as well as the methods and means for its travel.

Driven By (sig)

W. Calace

LINCOLN PARK WEST

Managed by Persistent Construction Corp. /
Impact Environmental
Duncan Avenue, Jersey City
Hudson County, NJ

Manifest Number:

69,436

Ticket Number:

9928539 28539

SCALE TICKET

Part 1

GENERATOR

Generator Name, Address and Telephone #:

4867

English Kills Ventures

5014 16th Ave, Suite 110

Source of Material (Description and Address):

Morgan Ave

200 Morgan Avenue

Brooklyn

NY

11219

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

Classification:

non-res

non-res

NOTES:

WEIGHT

GROSS/TARE/NET (lbs)

93940 lb

30680 lb

63260 lb

NET (Tons):

31.640 tn

Part 3

WEIGHT CERTIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program. Where loads are accepted by volume, this certification is made to the maximum capacity of the vehicle.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Ryan Adair

Name of Scale Operator:

Tare Time

Gross Time

8/24/12

10:31 am

10:31 am

Date and Time In and Out:

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Primary Transporter Name, Address and Permit #:

CF-7

Secondary Transporter Name, Address and Permit #:

Driver Name and Signature (conditional):

AL7BAW

Truck Plate Number:

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Lincoln Park West by Persistent Construction Corp. and Impact Environmental Consulting, Inc. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the Lincoln Park West site. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Persistent Construction Corp. and Impact Environmental Consulting, Inc. to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Lincoln Park West and as directed by the facility staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: ENGLISH KILLS VENTURES
5014 16TH AVENUE, SUITE 110

SITE: MORGAN AVE
200 MORGAN AVENUE
BROOKLYN, NY 11219
BLOCK 2942, LOTS 101

Job # 4867

1

Authorized By (print)

Authorized By (title)

Authorized By (sig)

TIME: _____

DATE: _____

Transporter:

C F BROOKS
69 WUESI SCOO ST
BROOK
NJ

2

Driven By JOSE OVERTUNO

Truck/Trailer Plate A2794W

Driver Signature JOSE OVERTUNO

TIME: _____

DATE: 8/24/12

Material/Note(s):

SITE LOCATION: _____

RESIDENTIAL ☐

NON-RESIDENTIAL ☒

Manifest
Number

69436



Project under the management of Impact
Environmental. In case of emergency call 631-269-
8800 or 516-805-8900

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 63280 GROSS WEIGHT 93940

NET TONS _____ TARE WEIGHT 30660

TICKET NUMBER 28539

Receiving Facility:

Lincoln Park West Landfill Closure Site
Duncan Avenue
Jersey City, NJ

3

Received By (print)

Date/Time

10:31 AM 8/24/12

By signing this manifest the Hauler accepts that it is solely
responsible for the amount of material that is being transported
as well as the methods and means for its travel.

Driven By (sig)

LINCOLN PARK WEST

Managed by Persistent Construction Corp. /
Impact Environmental
Duncan Avenue, Jersey City
Hudson County, NJ

Manifest Number:

69,435

Ticket Number:

9928545 28545

SCALE TICKET

Part 1

GENERATOR

Generator Name, Address and Telephone #:

4867

English Kills Ventures

5014 16th Ave, Suite 110

Source of Material (Description and Address):

Morgan Ave

200 Morgan Avenue

Brooklyn

NY

11219

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

NON-RESIDUAL

non res

WEIGHT

GROSS/TARE/NET (lbs)

92960 lb

28780 lb

64180 lb

NET (Tons):

32.090 tn

NOTES:

Part 3

WEIGHT CERTIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program. Where loads are accepted by volume, this certification is made to the maximum capacity of the vehicle.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Ryan Adair

Name of Scale Operator:

Tare Time

Gross Time

8/24/12

10:55 am

10:55 am

Date and Time In and Out:

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Primary Transporter Name, Address and Permit #:

Secondary Transporter Name, Address and Permit #:

Driver Name and Signature (conditional):

AR572W

Truck Plate Number:

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Lincoln Park West by Persistent Construction Corp. and Impact Environmental Consulting, Inc. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the Lincoln Park West site. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Persistent Construction Corp. and Impact Environmental Consulting, Inc. to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Lincoln Park West and as directed by the facility staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: ENGLISH KILLS VENTURES
5014 16TH AVENUE, SUITE 110

SITE: MORGAN AVE
200 MORGAN AVENUE
BROOKLYN, NY 11219
BLOCK 2942, LOTS 101

JOB # 4867

1

Authorized By (print)

Authorized By (title)

Authorized By (sig)

TIME: _____ DATE: _____

Transporter:

FJK Munoz.
Trucking.
Bloomfield

2

Driven By

Truck/Trailer Plate

Driver Signature

TIME: 9:30

DATE: 8/24/12

Manifest
Number

69435



Material/Note(s):

SITE LOCATION: _____

RESIDENTIAL

☐

NON-RESIDENTIAL

☒

Project under the management of Impact
Environmental. In case of emergency call 831-269-
8800 or 516-805-8900

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT

64130

GROSS WEIGHT

82960

NET TONS

TARE WEIGHT

28780

TICKET NUMBER

28543

Receiving Facility:

Lincoln Park West Landfill Closure Site
Duncan Avenue
Jersey City, NJ

3

Received By (print)

Date/Time

10:56 AM 8/24/12

By signing this manifest the Hauler accepts that it is solely
responsible for the amount of material that is being transported
as well as the methods and means for its travel.

Driven By (sig)

LINCOLN PARK WEST

Managed by Persistent Construction Corp. /
Impact Environmental
Duncan Avenue, Jersey City
Hudson County, NJ

Manifest Number:

69,433

Ticket Number:

9928546

28546

SCALE TICKET

Part 1

GENERATOR

Generator Number: Address and Telephone #:

English Kills Ventures

5014 16th Ave, Suite 110

Source of Material (Description and Address):

Morgan Ave

200 Morgan Avenue

Brooklyn

NY

11219

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

Classification:

NON-RESIDUAL

WEIGHT

GROSS/TARE/NET (lbs)

93820 lb

30200 lb

63620 lb

NET (Tons):

31.810 tn

NOTES:

Part 3

WEIGHT CERTIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program. Where loads are accepted by volume, this certification is made to the maximum capacity of the vehicle.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Ryan Adair

Name of Scale Operator:

Tare Time

Gross Time

5/24/12

10:57 am

10:57 am

Date and Time In and Out:

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Primary Transporter Name, Address and Permit #:

Secondary Transporter Name, Address and Permit #:

Driver Name and Signature (conditional):

AK176A

Leoncio Lopez

Truck Plate Number:

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Lincoln Park West by Persistent Construction Corp. and Impact Environmental Consulting, Inc. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the Lincoln Park West site. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Persistent Construction Corp. and Impact Environmental Consulting, Inc. to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Lincoln Park West and as directed by the facility staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: ENGLISH KILLS VENTURES
5014 16TH AVENUE, SUITE 110

SITE: MORGAN AVE
200 MORGAN AVENUE
BROOKLYN, NY 11219
BLOCK 2942, LOTS 101

JOB # 4867

1

Authorized By (print)

Authorized By (title)

Authorized By (sig)

TIME: _____ DATE: _____

Transporter:

MUNOZ F&G
BLOOMFIELD, NJ

2

Driven By Leoncio MUNOZ

Truck/Trailer Plate AK 176A #17

Driver Signature

TIME: 9:40 DATE: 8/24/12

Material/Note(s):

SITE LOCATION: _____

RESIDENTIAL ☐

NON-RESIDENTIAL ☒

Manifest
Number

69433



Project under the management of Impact
Environmental. In case of emergency call 631-269-
8800 or 516-805-8900

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 63620 GROSS WEIGHT 93820

NET TONS _____ TARE WEIGHT 30200

TICKET NUMBER 28546

Receiving Facility:

Lincoln Park West Landfill Closure Site
Duncan Avenue
Jersey City, NJ

3

Received By (print)

Date/Time

10:57 AM 8/24/12

By signing this manifest the Hauler accepts that it is solely
responsible for the amount of material that is being transported
as well as the methods and means for its travel.

Driven By (sig)

LINCOLN PARK WEST

Managed by Persistent Construction Corp. /
Impact Environmental
Duncan Avenue, Jersey City
Hudson County, NJ

Manifest Number:

69,431

Ticket Number:

28553

SCALE TICKET

Part 1

GENERATOR

Generator Name, Address and Telephone #:

4867

English Kills Ventures

5014 16th Ave, Suite 110

Source of Material (Description and Address):

Morgan Ave

200 Morgan Avenue

Brooklyn

NY

11219

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

NON RES SOIL

non res

WEIGHT

GROSS/TARE/NET (lbs)

93140 lb

29340 lb

63800 lb

NET (Tons):

31.900 tn

NOTES:

Part 3

WEIGHT CERTIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program. Where loads are accepted by volume, this certification is made to the maximum capacity of the vehicle.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Ryan Adair

Name of Scale Operator:

Tare Time

Gross Time

8/24/12

11:14 am

11:14 am

Date and Time In and Out:

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Primary Transporter Name, Address and Permit #:

Secondary Transporter Name, Address and Permit #:

Driver Name and Signature (conditional):

AN6593

David Berry

Truck Plate Number:

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Lincoln Park West by Persistent Construction Corp. and Impact Environmental Consulting, Inc. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the Lincoln Park West site. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Persistent Construction Corp. and Impact Environmental Consulting, Inc. to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Lincoln Park West and as directed by the facility staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: ENGLISH KILLS VENTURES
5014 16TH AVENUE, SUITE 110

SITE: MORGAN AVE
200 MORGAN AVENUE
BROOKLYN, NY 11219
BLOCK 2942, LOTS 101

Job # 4867

1

Authorized By (print)

Authorized By (title)

Authorized By (sig)

TIME: _____ DATE: _____

Transporter:

MCB

2

Driven By *Marcus Burt*

Truck/Trailer Plate *MCB #2*
AN 639 J

Driver Signature *Marcus Burt*

TIME: _____ DATE: _____

Material/Note(s):

SITE LOCATION: _____

RESIDENTIAL ☐

NON-RESIDENTIAL ☒

Manifest
Number

69431



Project under the management of Impact
Environmental. In case of emergency call 631-269-
8800 or 516-805-8900

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT *63800* GROSS WEIGHT *93140*

NET TONS _____ TARE WEIGHT *29340*

TICKET NUMBER *28553*

Receiving Facility:

Lincoln Park West Landfill Closure Site
Duncan Avenue
Jersey City, NJ

3

Received By (print) *RA*

Date/Time *11:15 AM 3/24/02*

By signing this manifest the Hauler accepts that it is solely
responsible for the amount of material that is being transported
as well as the methods and means for its travel.

Driven By (sig) *Marcus Burt*

LINCOLN PARK WEST

Managed by Persistent Construction Corp. /
Impact Environmental
Duncan Avenue, Jersey City
Hudson County, NJ

Manifest Number:

69,434

Ticket Number:

28554

SCALE TICKET

Part 1

GENERATOR

Generator Name, Address and Telephone #:

English Kills Ventures

5014 16th Ave, Suite 110

Source of Material (Description and Address):

Morgan Ave

200 Morgan Avenue

Brooklyn

NY

11219

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

Classification:

WEIGHT

GROSS/TARE/NET (lbs)

93160 lb

28200 lb

64960 lb

NET (Tons):

32.480 tn

NOTES:

Part 3

WEIGHT CERTIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program. Where loads are accepted by volume, this certification is made to the maximum capacity of the vehicle.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Ryan Adair

Name of Scale Operator:

Tare Time

Gross Time

8/24/12

11:16 am

11:17 am

Date and Time In and Out:

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Primary Transporter Name, Address and Permit #:

Secondary Transporter Name, Address and Permit #:

Driver Name and Signature (conditional):

AK2015

[Signature]

Truck Plate Number:

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Lincoln Park West by Persistent Construction Corp. and Impact Environmental Consulting, Inc. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the Lincoln Park West site. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Persistent Construction Corp. and Impact Environmental Consulting, Inc. to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Lincoln Park West and as directed by the facility staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: ENGLISH KILLS VENTURES
5014 16TH AVENUE, SUITE 110

SITE: MORGAN AVE
200 MORGAN AVENUE
BROOKLYN, NY 11219
BLOCK 2942, LOTS 101

Job # 4867

1

Authorized By (print)

Authorized By (title)

Authorized By (sig)

TIME: _____ DATE: _____

Transporter:

ANDRÉ DE' TRANS

2

Driven By Nelson Andrade

Truck/Trailer Plate AK2015 NJ

Driver Signature Nelson Andrade

TIME: _____ DATE: 8-24-12

Material/Note(s):

SITE LOCATION: _____

RESIDENTIAL ☐

NON-RESIDENTIAL ☒

Manifest
Number

69434



Project under the management of Impact
Environmental. In case of emergency call 631-269-
8800 or 516-805-8900

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 64960 GROSS WEIGHT 93160

NET TONS _____ TARE WEIGHT 28200

TICKET NUMBER 28534

Receiving Facility:

Lincoln Park West Landfill Closure Site
Duncan Avenue
Jersey City, NJ

3

Received By (print) ND

Date/Time

11:12 AM 8/24/12

By signing this manifest the Hauler accepts that it is solely
responsible for the amount of material that is being transported
as well as the methods and means for its travel.

Driven By (sig)

Nelson

LINCOLN PARK WEST

Managed by Persistent Construction Corp. /
Impact Environmental
Duncan Avenue, Jersey City
Hudson County, NJ

Manifest Number: **69,432**

Ticket Number: **9928560 28560**

SCALE TICKET

Part 1

GENERATOR

Generator Name, Address and Telephone #:

4867

English Kills Ventures

5014 16th Ave, Suite 110

Source of Material (Description and Address):

Morgan Ave

200 Morgan Avenue

Brooklyn NY 11219

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

CIRCUITRY: **NON-RES**

non-res

NOTES:

WEIGHT

GROSS/TARE/NET (lbs)

93480 lb

30780 lb

62720 lb

NET (Tons):

31.360 tn

Part 3

WEIGHT CERTIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program. Where loads are accepted by volume, this certification is made to the maximum capacity of the vehicle.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Ryan Adair

Name of Scale Operator:

Tare Time

Gross Time

6/24/12

11:32 am

11:32 am

Date and Time In and Out:

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Primary Transporter Name, Address and Permit #:

Secondary Transporter Name, Address and Permit #:

Driver Name and Signature (conditional):

AN951K

Truck Plate Number:

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Lincoln Park West by Persistent Construction Corp. and Impact Environmental Consulting, Inc. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the Lincoln Park West site. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Persistent Construction Corp. and Impact Environmental Consulting, Inc. to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Lincoln Park West and as directed by the facility staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: ENGLISH KILLS VENTURES
5014 16TH AVENUE, SUITE 110

SITE: MORGAN AVE
200 MORGAN AVENUE
BROOKLYN, NY 11219
BLOCK 2942, LOTS 101

JOB # 4867

1

Authorized By (print)

Authorized By (title)

Authorized By (sig)

TIME: _____

DATE: _____

Transporter:

C.F. BROTHERS
#8

2

Driven By

Truck/Trailer Plate

Driver Signature

TIME: _____

DATE: _____

Material/Note(s):

SITE LOCATION: _____

RESIDENTIAL ☐

NON-RESIDENTIAL ☒

Manifest
Number

69432



Project under the management of Impact
Environmental. In case of emergency call 631-269-
8800 or 516-805-8900

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT

GROSS WEIGHT

NET TONS

TARE WEIGHT

TICKET NUMBER

Receiving Facility:

Lincoln Park West Landfill Closure Site
Duncan Avenue
Jersey City, NJ

3

Received By (print)

Date/Time

By signing this manifest the Hauler accepts that it is solely
responsible for the amount of material that is being transported
as well as the methods and means for its travel.

Driven By (sig)

LINCOLN PARK WEST

Managed by Persistent Construction Corp. /
Impact Environmental
Duncan Avenue, Jersey City
Hudson County, NJ

Manifest Number:

69,439

Ticket Number:

28563

SCALE TICKET

Part 1

GENERATOR

Generator Name, Address and Telephone #:

4867

English Kills Ventures

5014 16th Ave, Suite 110

Source of Material (Description and Address):

Morgan Ave

200 Morgan Avenue

Brooklyn

NY

11219

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

NON-RESIDUAL

non res

WEIGHT

GROSS/TARE/NET (lbs)

94980 lb

26800 lb

68180 lb

NET (Tons):

34.090 tn

NOTES:

Part 3

WEIGHT CERTIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program. Where loads are accepted by volume, this certification is made to the maximum capacity of the vehicle.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Ryan Adair

Name of Scale Operator:

Tare Time

Gross Time

8/24/12

11:41 am

11:42 am

Date and Time In and Out:

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Primary Transporter Name, Address and Permit #:

Secondary Transporter Name, Address and Permit #:

Driver Name and Signature (conditional):

AM143R

Truck Plate Number:

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Lincoln Park West by Persistent Construction Corp. and Impact Environmental Consulting, Inc. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the Lincoln Park West site. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Persistent Construction Corp. and Impact Environmental Consulting, Inc. to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Lincoln Park West and as directed by the facility staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: ENGLISH KILLS VENTURES
5014 16TH AVENUE, SUITE 110

SITE: MORGAN AVE
200 MORGAN AVENUE
BROOKLYN, NY 11219
BLOCK 2942, LOTS 101

JOB # 4867

1

Authorized By (print)

Authorized By (title)

Authorized By (sig)

TIME: _____ DATE: _____

Transporter:

JAYR TRANSP

2

Driven By

J GRABER

Truck/Trailer Plate

AP 143R

Driver Signature

TIME: _____ DATE: _____

Material/Note(s):

SITE LOCATION: _____

RESIDENTIAL

☐

NON-RESIDENTIAL

☒

Manifest
Number

69439



TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 6800 GROSS WEIGHT 94980

NET TONS _____ TARE WEIGHT 25800

TICKET NUMBER 28563

Project under the management of Impact
Environmental. In case of emergency call 631-269-
8800 or 516-805-8900

Received By (print)

R

Date/Time

11:42 AM 8/24/02

Receiving Facility:

Lincoln Park West Landfill Closure Site
Duncan Avenue
Jersey City, NJ

3

By signing this manifest the Hauler accepts that it is solely
responsible for the amount of material that is being transported
as well as the methods and means for its travel.

Driven By (sig)

LINCOLN PARK WEST

Managed by Persistent Construction Corp. /
Impact Environmental
Duncan Avenue, Jersey City
Hudson County, NJ

Manifest Number:

69,443

Ticket Number:

28565

SCALE TICKET

Part 1

GENERATOR

Generator Name, Address and Telephone #:

4867

English Kills Ventures

5014 16th Ave, Suite 110

Source of Material (Description and Address):

Morgan Ave

200 Morgan Avenue

Brooklyn

NY

11219

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

Classification:

NON RES

non res

WEIGHT

GROSS/TARE/NET (lbs)

95320 lb

26300 lb

69020 lb

NET (Tons):

34.510 tn

NOTES:

Part 3

WEIGHT CERTIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program. Where loads are accepted by volume, this certification is made to the maximum capacity of the vehicle.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Ryan Adair

Name of Scale Operator:

Tare Time

Gross Time

8/24/12

11:46 am

11:46 am

Date and Time In and Out:

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Primary Transporter Name, Address and Permit #:

Secondary Transporter Name, Address and Permit #:

Driver Name and Signature (conditional):

AM8811

Truck Plate Number:

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Lincoln Park West by Persistent Construction Corp. and Impact Environmental Consulting, Inc. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the Lincoln Park West site. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Persistent Construction Corp. and Impact Environmental Consulting, Inc. to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Lincoln Park West and as directed by the facility staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: ENGLISH KILLS VENTURES
5014 16TH AVENUE, SUITE 110

SITE: MORGAN AVE
200 MORGAN AVENUE
BROOKLYN, NY 11219
BLOCK 2942, LOTS 101

JOB # 4867

1

Authorized By (print)

Authorized By (title)

Authorized By (sig)

TIME: _____ DATE: _____

Transporter:

W. DIEDASIN
+ RASCON

2

Driven By *W. DIEDASIN*

Truck/Trailer Plate *AM9417*

Driver Signature *[Signature]*

TIME: _____ DATE: *8/24/12*

Material/Note(s):

SITE LOCATION: _____

RESIDENTIAL ☐

NON-RESIDENTIAL ☒

Manifest
Number

69443



Project under the management of Impact
Environmental. In case of emergency call 631-269-
8800 or 516-805-8800

TARE WEIGHT MUST BE INCLUDED
NET WEIGHT *69020* GROSS WEIGHT *95300*
NET TONS _____ TARE WEIGHT *26300*
TICKET NUMBER *28563*

Receiving Facility:

Lincoln Park West Landfill Closure Site
Duncan Avenue
Jersey City, NJ

3

Received By (print) *[Signature]*

Date/Time *2 11:46 AM 8/24/12*

By signing this manifest the Hauler accepts that it is solely
responsible for the amount of material that is being transported
as well as the methods and means for its travel.

Driven By (sig)

LINCOLN PARK WEST

Managed by Persistent Construction Corp. /
Impact Environmental
Duncan Avenue, Jersey City
Hudson County, NJ

Manifest Number: 69,441

Ticket Number: 9928573 28573

SCALE TICKET

Part 1

GENERATOR

Generator Name, Address and Telephone #:
4867
English Kills Ventrures
5014 16th Ave, Suite 110

Source of Material (Description and Address):
Morgan Ave
200 Morgan Avenue
Brooklyn NY 11219

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:
NON RES SOIL
non res

WEIGHT

GROSS/TARE/NET (lbs)
97840 lb
28900 lb
68940 lb

NET (Tons):
34.470 tn

NOTES:

Part 3

WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program. Where loads are accepted by volume, this certification is made to the maximum capacity of the vehicle.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Ryan Adair

Name of Scale Operator: Ryan Adair
Tare Time: 8/24/12 12:10 pm
Gross Time: 12:11 pm

Date and Time In and Out:

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Primary Transporter Name, Address and Permit #:

Secondary Transporter Name, Address and Permit #:

Driver Name and Signature (conditional):
AM212M Joel

Truck Plate Number:

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Lincoln Park West by Persistent Construction Corp. and Impact Environmental Consulting, Inc. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the Lincoln Park West site. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Persistent Construction Corp. and Impact Environmental Consulting, Inc. to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Lincoln Park West and as directed by the facility staff.

ORIGINAL

LINCOLN PARK WEST

Managed by Persistent Construction Corp. /
Impact Environmental
Duncan Avenue, Jersey City
Hudson County, NJ

Manifest Number: 69,440

Ticket Number: 9928574 28574

SCALE TICKET

Part 1

GENERATOR

Generator Name, Address and Telephone #:
4867
English Kills Ventrures
5014 16th Ave, Suite 110

Source of Material (Description and Address):
Morgan Ave
200 Morgan Avenue
Brooklyn NY 11219

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:
NON RES SOIL
non res

WEIGHT

GROSS/TARE/NET (lbs)
95700 lb
28500 lb
67140 lb

NET (Tons):
33.570 tn

NOTES:

Part 3

WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program. Where loads are accepted by volume, this certification is made to the maximum capacity of the vehicle.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Ryan Adair

Name of Scale Operator: Ryan Adair
Tare Time: 8/24/12 12:12 pm
Gross Time: 12:12 pm

Date and Time In and Out:

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Primary Transporter Name, Address and Permit #:

Secondary Transporter Name, Address and Permit #:

Driver Name and Signature (conditional):
AM219Z

Truck Plate Number:

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Lincoln Park West by Persistent Construction Corp. and Impact Environmental Consulting, Inc. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the Lincoln Park West site. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Persistent Construction Corp. and Impact Environmental Consulting, Inc. to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Lincoln Park West and as directed by the facility staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: ENGLISH KILLS VENTURES
5014 16TH AVENUE, SUITE 110

SITE: MORGAN AVE
200 MORGAN AVENUE
BROOKLYN, NY 11219
BLOCK 2942, LOTS 101

Job # 4867

1

Authorized By (print)

Authorized By (title)

Authorized By (sig)

TIME: _____ DATE: _____

Transporter:

2

Driven By

Truck/Trailer Plate

Driver Signature

TIME: _____ DATE: 8/23/2012

Material/Note(s):

SITE LOCATION: _____

RESIDENTIAL ☐

NON-RESIDENTIAL ☒

Manifest
Number

69440



Project under the management of Impact
Environmental. In case of emergency call 631-269-
8800 or 516-805-8900

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 67140 GROSS WEIGHT 95700

NET TONS _____ TARE WEIGHT 28560

TICKET NUMBER 28574

Receiving Facility:

Lincoln Park West Landfill Closure Site
Duncan Avenue
Jersey City, NJ

3

Received By (print)

Date/Time

By signing this manifest the Hauler accepts that it is solely
responsible for the amount of material that is being transported
as well as the methods and means for its travel.

Driven By (sig)

LINCOLN PARK WEST

Managed by Persistent Construction Corp. /
Impact Environmental
Duncan Avenue, Jersey City
Hudson County, NJ

Manifest Number:

69,442

Ticket Number:

28580

SCALE TICKET

Part 1

GENERATOR

Generator Name, Address and Telephone #:

English Kills Ventures

5014 16th Ave, Suite 110

Source of Material (Description and Address):

Morgan Ave

200 Morgan Avenue

Brooklyn

NY

11219

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

Classification:

NON-RESIDUAL

non-res

WEIGHT

GROSS/TARE/NET (lbs)

87940 lb

28000 lb

59940 lb

NET (Tons):

29.920 tn

NOTES:

Part 3

WEIGHT CERTIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program. Where loads are accepted by volume, this certification is made to the maximum capacity of the vehicle.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Ryan Adair

Name of Scale Operator:

Tare Time

Gross Time

8/24/12

12:52 pm

12:53 pm

Date and Time In and Out:

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Primary Transporter Name, Address and Permit #:

Secondary Transporter Name, Address and Permit #:

Driver Name and Signature (conditional):

AN421H

ETW01110

Truck Plate Number:

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Lincoln Park West by Persistent Construction Corp. and Impact Environmental Consulting, Inc. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the Lincoln Park West site. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Persistent Construction Corp. and Impact Environmental Consulting, Inc. to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Lincoln Park West and as directed by the facility staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: ENGLISH KILLS VENTURES
5014 16TH AVENUE, SUITE 110

SITE: MORGAN AVE
200 MORGAN AVENUE
BROOKLYN, NY 11219
Block 2942, Lots 101

JOB # 4867

1

Authorized By (print)

Authorized By (title)

Authorized By (sig)

TIME: _____ DATE: _____

Transporter:

MANOLO'S TRUCKING
(OO)

2

Driven By *F TUSLOW*

Truck/Trailer Plate *AN 421H*

Driver Signature *F TUSLOW*

TIME: *11:24* DATE: *08-24-12*

Material/Note(s):

SITE LOCATION: _____

RESIDENTIAL ☐

NON-RESIDENTIAL ☒

Manifest
Number

69442



Project under the management of Impact
Environmental. In case of emergency call 631-269-
8800 or 516-805-8900

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT *59840* GROSS WEIGHT *77840*

NET TONS _____ TARE WEIGHT *28000*

TICKET NUMBER *28570*

Receiving Facility:

Lincoln Park West Landfill Closure Site
Duncan Avenue
Jersey City, NJ

3

Received By (print) *RL*

Date/Time *12:53 PM 8/24/12*

By signing this manifest the Hauler accepts that it is solely
responsible for the amount of material that is being transported
as well as the methods and means for its travel.

Driven By (sig)

Transportation Charter / Manifest

Generator:

GENERATOR: ENGLISH KILLS VENTURES
5014 16TH AVENUE, SUITE 110

SITE: MORGAN AVE
200 MORGAN AVENUE
BROOKLYN, NY 11219
BLOCK 2942, LOTS 101

JOB # 4867

1

Authorized By (print)

Authorized By (title)

Authorized By (sig)

TIME: _____ DATE: _____

Transporter:

CP TRUCKING
ELIZABETH NJ

2

Driven By WASHINGTON

Truck/Trailer Plate AN294J

#37

Driver Signature

TIME: _____ DATE: _____

Material/Note(s):

SITE LOCATION: _____

RESIDENTIAL ☐

NON-RESIDENTIAL ☒

Manifest
Number

69444



Project under the management of Impact
Environmental. In case of emergency call 631-269-
8800 or 516-805-8900

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 29700 GROSS WEIGHT 103800

NET TONS _____ TARE WEIGHT 29100

TICKET NUMBER 28582

Receiving Facility:

Lincoln Park West Landfill Closure Site
Duncan Avenue
Jersey City, NJ

3

Received By (print)

Date/Time

10:57 PM 8/24/02

By signing this manifest the Hauler accepts that it is solely
responsible for the amount of material that is being transported
as well as the methods and means for its travel.

Driven By (sig)

LINCOLN PARK WEST

Managed by Persistent Construction Corp. /
Impact Environmental
Duncan Avenue, Jersey City
Hudson County, NJ

Manifest Number:

69,445

Ticket Number:

9928584

28584

SCALE TICKET

Part 1

GENERATOR

Generator Name, Address and Telephone #:

English Kills Ventures

5014 16th Ave, Suite 110

Source of Material (Description and Address):

Morgan Ave

200 Morgan Avenue

Brooklyn

NY

11219

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

NON-RESIDUAL

NON-RES

WEIGHT

GROSS/TARE/NET (lbs)

105060 lb

28900 lb

76160 lb

NET (Tons):

38.080 tn

NOTES:

Part 3

WEIGHT CERTIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program. Where loads are accepted by volume, this certification is made to the maximum capacity of the vehicle.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Ryan Adair

Name of Scale Operator:

Tare Time

Gross Time

8/24/12

1:17 pm

1:18 pm

Date and Time In and Out:

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Primary Transporter Name, Address and Permit #:

Secondary Transporter Name, Address and Permit #:

Driver Name and Signature (conditional):

Truck Plate Number:

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Lincoln Park West by Persistent Construction Corp. and Impact Environmental Consulting, Inc. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the Lincoln Park West site. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Persistent Construction Corp. and Impact Environmental Consulting, Inc. to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Lincoln Park West and as directed by the facility staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: ENGLISH KILLS VENTURES
5014 16TH AVENUE, SUITE 110

SITE: MORGAN AVE
200 MORGAN AVENUE
BROOKLYN, NY 11219
BLOCK 2942, LOTS 101

Job # 4867

1

Authorized By (print)

Authorized By (title)

Authorized By (sig)

TIME: _____ DATE: _____

Transporter:

GES

B + M TRUCKING

2

Driven By

William Grace

Truck/Trailer Plate

03 AM 1066

Driver Signature

Wm Grace

TIME: _____ DATE: _____

12:00pm 8/24/12

Manifest
Number

69445



Material/Note(s):

SITE LOCATION: _____

RESIDENTIAL

☐

NON-RESIDENTIAL

☒

Project under the management of Impact
Environmental. In case of emergency call 631-269-
8800 or 516-805-8900

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT

76160

GROSS WEIGHT

105060

NET TONS

TARE WEIGHT

28900

TICKET NUMBER

28584

Receiving Facility:

Lincoln Park West Landfill Closure Site
Duncan Avenue
Jersey City, NJ

3

Received By (print)

RH

Date/Time

1:18 PM 8/24/12

Driven By (sig)

Wm Grace

By signing this manifest the Hauler accepts that it is solely
responsible for the amount of material that is being transported
as well as the methods and means for its travel.

LINCOLN PARK WEST

Managed by Persistent Construction Corp. /
Impact Environmental
Duncan Avenue, Jersey City
Hudson County, NJ

Manifest Number: **69,446**

Ticket Number: **28585**

SCALE TICKET

Part 1

GENERATOR

Generator Name, Address and Telephone #:

4867

English Kills Ventures
5014 16th Ave, Suite 110

Source of Material (Description and Address):

Morgan Ave

200 Morgan Avenue
Brooklyn NY 11219

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

Classification:

NON-RES

non-res

NOTES:

WEIGHT

GROSS/TARE/NET (lbs)

104160 lb

30680 lb

73500 lb

NET (Tons):

36.750 tn

Part 3

WEIGHT CERTIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program. Where loads are accepted by volume, this certification is made to the maximum capacity of the vehicle.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Ryan Adair

Name of Scale Operator:

Tare Time

Gross Time

8/24/12

1:19 pm

1:20 pm

Date and Time In and Out:

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Primary Transporter Name, Address and Permit #:

GF-7

Secondary Transporter Name, Address and Permit #:

Driver Name and Signature (conditional):

AL7DAW

Truck Plate Number:

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Lincoln Park West by Persistent Construction Corp. and Impact Environmental Consulting, Inc. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the Lincoln Park West site. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Persistent Construction Corp. and Impact Environmental Consulting, Inc. to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Lincoln Park West and as directed by the facility staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: ENGLISH KILLS VENTURES
5014 16TH AVENUE, SUITE 110

SITE: MORGAN AVE
200 MORGAN AVENUE
BROOKLYN, NY 11219
BLOCK 2942, LOTS 101

JOB # 4867

1

Authorized By (print)

Authorized By (title)

Authorized By (sig)

TIME: _____ DATE: _____

Transporter:

C F. BROOS
89 WEST SECOND ST
PO BOX BRUCE
NJ

2

Driven By JOSE QUINUNO

Truck/Trailer Plate AL794W

Driver Signature JOSE QUINUNO

TIME: _____ DATE: 8/24/12

Material/Note(s):

SITE LOCATION: _____

RESIDENTIAL ☐

NON-RESIDENTIAL ☒

Manifest
Number

69446



Project under the management of Impact
Environmental. In case of emergency call 631-269-
8800 or 516-805-8900

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 73500 GROSS WEIGHT 104160

NET TONS _____ TARE WEIGHT 20660

TICKET NUMBER 28575

Receiving Facility:

Lincoln Park West Landfill Closure Site
Duncan Avenue
Jersey City, NJ

3

Received By (print)

Date/Time

1:20 PM 8/24/12

By signing this manifest the Hauler accepts that it is solely
responsible for the amount of material that is being transported
as well as the methods and means for its travel.

Driven By (sig)

LINCOLN PARK WEST

Managed by Persistent Construction Corp. /
Impact Environmental
Duncan Avenue, Jersey City
Hudson County, NJ

Manifest Number:

69,447

Ticket Number:

9928591

28591

SCALE TICKET

Part 1

GENERATOR

Generator Name, Address and Telephone #:

4867

English Kills Ventures

5014 16th Ave, Suite 110

Source of Material (Description and Address):

Morgan Ave

200 Morgan Avenue

Brooklyn

NY

11219

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

NON-RES SOIL

non res

NOTES:

WEIGHT

GROSS/TARE/NET (lbs)

95380 lb

28780 lb

66600 lb

NET (Tons):

33.300 tn

Part 3

WEIGHT CERTIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program. Where loads are accepted by volume, this certification is made to the maximum capacity of the vehicle.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Ryan Adair

Name of Scale Operator:

Tare Time

Gross Time

8/24/12

2:03 pm

2:04 pm

Date and Time in and Out:

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Primary Transporter Name, Address and Permit #:

Secondary Transporter Name, Address and Permit #:

Driver Name and Signature (conditional)

AK972W

Truck Plate Number:

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Lincoln Park West by Persistent Construction Corp. and Impact Environmental Consulting, Inc. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the Lincoln Park West site. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Persistent Construction Corp. and Impact Environmental Consulting, Inc. to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Lincoln Park West and as directed by the facility staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: ENGLISH KILLS VENTURES
5014 16TH AVENUE, SUITE 110

SITE: MORGAN AVE
200 MORGAN AVENUE
BROOKLYN, NY 11219
BLOCK 2942, LOTS 101

JOB # 4867

1

Authorized By (print)

Authorized By (title)

Authorized By (sig)

TIME: _____ DATE: _____

Transporter:

Fly Munoz
Trucking
Bloomfield
NJ

2

Driven By

Truck/Trailer Plate

Driver Signature

TIME: 12:45 DATE: 8/24/12

Manifest
Number

69447



Material/Note(s):

SITE LOCATION: _____

RESIDENTIAL

☐

NON-RESIDENTIAL

☒

Project under the management of Impact
Environmental. In case of emergency call 631-269-
8800 or 516-805-8900

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 66600 GROSS WEIGHT 95380

NET TONS _____ TARE WEIGHT 2870

TICKET NUMBER 28591

Receiving Facility:

Lincoln Park West Landfill Closure Site
Duncan Avenue
Jersey City, NJ

3

Received By (print)

Date/Time

By signing this manifest the Hauler accepts that it is solely
responsible for the amount of material that is being transported
as well as the methods and means for its travel.

Driven By (sig)

LINCOLN PARK WEST

Managed by Persistent Construction Corp. /
Impact Environmental
Duncan Avenue, Jersey City
Hudson County, NJ

Manifest Number:

69,450

Ticket Number:

9928593

28593

SCALE TICKET

Part 1

GENERATOR

Generator Name, Address and Telephone #:

4867

English Kills Ventures

5014 16th Ave, Suite 110

Source of Material (Description and Address):

Morgan Ave

200 Morgan Avenue

Brooklyn

NY

11219

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

NON-RESIDUAL

non-res

NOTES:

WEIGHT

GROSS/TARE/NET (lbs)

96300 lb

30200 lb

66100 lb

NET (Tons):

33.050 tn

Part 3

WEIGHT CERTIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program. Where loads are accepted by volume, this certification is made to the maximum capacity of the vehicle.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Ryan Adair

Name of Scale Operator:

Tare Time

Gross Time

8/24/12

2:08 pm

2:08 pm

Date and Time In and Out:

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Primary Transporter Name, Address and Permit #:

Secondary Transporter Name, Address and Permit #:

Driver Name and Signature (conditional):

AK17A

Leoncio Lopez

Truck Plate Number:

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Lincoln Park West by Persistent Construction Corp. and Impact Environmental Consulting, Inc. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the Lincoln Park West site. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Persistent Construction Corp. and Impact Environmental Consulting, Inc. to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Lincoln Park West and as directed by the facility staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: ENGLISH KILLS VENTURES
5014 16TH AVENUE, SUITE 110

SITE: MORGAN AVE
200 MORGAN AVENUE
BROOKLYN, NY 11219
BLOCK 2942, LOTS 101

Job # 4867

1

Authorized By (print)

Authorized By (title)

Authorized By (sig)

TIME: _____ DATE: _____

Transporter:

MUNOZ F&S
BLOOMFELDT
17

2

Driven By Leoncio Munoz

Truck/Trailer Plate AK 176A

Driver Signature

TIME: 1:15 DATE: 8/24/12

Material/Note(s):

SITE LOCATION: _____

RESIDENTIAL ☐

NON-RESIDENTIAL ☒

Manifest
Number

69450



TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 66100 GROSS WEIGHT 96300

NET TONS _____ TARE WEIGHT 30200

TICKET NUMBER 28593

Project under the management of Impact
Environmental. In case of emergency call 631-269-
8800 or 516-805-8800

Received By (print)

Date/Time

2:08 PM 8/24/12

Receiving Facility:

Lincoln Park West Landfill Closure Site
Duncan Avenue
Jersey City, NJ

3

By signing this manifest the Hauler accepts that it is solely
responsible for the amount of material that is being transported
as well as the methods and means for its travel.

Driven By (sig)

LINCOLN PARK WEST

Managed by Persistent Construction Corp. /
Impact Environmental
Duncan Avenue, Jersey City
Hudson County, NJ

Manifest Number:

69,420

Ticket Number:

9928598

28598

SCALE TICKET

Part 1

GENERATOR

Generator Name, Address and Telephone #:

4867

English Kills Ventures

5014 16th Ave, Suite 110

Source of Material (Description and Address):

Morgan Ave

200 Morgan Avenue

Brooklyn

NY

11219

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

Classification:

NON-RES

non-res

NOTES:

WEIGHT

GROSS/TARE/NET (lbs)

90300 lb

28200 lb

62100 lb

NET (Tons):

31.080 tn

Part 3

WEIGHT CERTIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program. Where loads are accepted by volume, this certification is made to the maximum capacity of the vehicle.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Ryan Adair

Name of Scale Operator:

Tare Time

Gross Time

8/24/12

2:22 pm

2:23 pm

Date and Time In and Out:

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Primary Transporter Name, Address and Permit #:

Secondary Transporter Name, Address and Permit #:

Driver Name and Signature (conditional):

AK2015

Truck Plate Number:

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Lincoln Park West by Persistent Construction Corp. and Impact Environmental Consulting, Inc. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the Lincoln Park West site. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Persistent Construction Corp. and Impact Environmental Consulting, Inc. to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Lincoln Park West and as directed by the facility staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: ENGLISH KILLS VENTURES
5014 16TH AVENUE, SUITE 110

SITE: MORGAN AVE
200 MORGAN AVENUE
BROOKLYN, NY 11219
BLOCK 2942, LOTS 101

JOB # 4867

1

Authorized By (print)

Authorized By (title)

Authorized By (sig)

TIME: _____ DATE: _____

Transporter:

Andrade's Trans

2

Driven By Nelson Andrade

Truck/Trailer Plate

AK20LS NJ

Driver Signature

Nelson Andrade

TIME: _____ DATE: 8-24-12

Material/Note(s):

SITE LOCATION: _____

RESIDENTIAL

☐

NON-RESIDENTIAL

☒

Manifest
Number

69420



Project under the management of Impact
Environmental. In case of emergency call 631-269-
8800 or 516-805-8800

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT

62780

GROSS WEIGHT

90380

NET TONS

TARE WEIGHT

27600

TICKET NUMBER

28598

Received By (print)

RL

Date/Time

2:23 PM 8/24/12

Receiving Facility:

Lincoln Park West Landfill Closure Site
Duncan Avenue
Jersey City, NJ

3

By signing this manifest the Hauler accepts that it is solely
responsible for the amount of material that is being transported
as well as the methods and means for its travel.

Driven By (sig)

Nelson Andrade

LINCOLN PARK WEST

Managed by Persistent Construction Corp. /
Impact Environmental
Duncan Avenue, Jersey City
Hudson County, NJ

Manifest Number:

69,508

Ticket Number:

9928599 28599

SCALE TICKET

Part 1

GENERATOR

Generator Name, Address and Telephone #:

4867

English Kills Ventures
5014 16th Ave, Suite 110

Source of Material (Description and Address):

Morgan Ave

200 Morgan Avenue

Brooklyn

NY

11219

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

NON RES SOIL

non res

NOTES:

WEIGHT

GROSS/TARE/NET (lbs)

92860 lb

29340 lb

63520 lb

NET (Tons):

31.760 tn

Part 3

WEIGHT CERTIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program. Where loads are accepted by volume, this certification is made to the maximum capacity of the vehicle.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Ryan Adair

Name of Scale Operator:

Tare Time

Gross Time

8/24/12

2:24 pm

2:24 pm

Date and Time In and Out:

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Primary Transporter Name, Address and Permit #:

Secondary Transporter Name, Address and Permit #:

Driver Name and Signature (conditional):

ANGEL

Truck Plate Number:

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Lincoln Park West by Persistent Construction Corp. and Impact Environmental Consulting, Inc. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the Lincoln Park West site. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Persistent Construction Corp. and Impact Environmental Consulting, Inc. to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Lincoln Park West and as directed by the facility staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: ENGLISH KILLS VENTURES
5014 16TH AVENUE, SUITE 110

SITE: MORGAN AVE
200 MORGAN AVENUE
BROOKLYN, NY 11219
BLOCK 2942, LOTS 101

JOB # 4867

1

Authorized By (print)

Authorized By (title)

Authorized By (sig)

TIME: _____ DATE: _____

Transporter:

MCB

2

Driven By MARCO BERYKO

Truck/Trailer Plate ACB # 2.
AU 639 J

Driver Signature

TIME: _____ DATE: _____

Material/Note(s):

SITE LOCATION: _____

RESIDENTIAL ☐

NON-RESIDENTIAL ☒

Manifest
Number

69508



TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 63522 GROSS WEIGHT 98860

NET TONS _____ TARE WEIGHT 29340

TICKET NUMBER 28599

Project under the management of Impact
Environmental. In case of emergency call 631-269-
8800 or 516-805-8900

Receiving Facility:

Lincoln Park West Landfill Closure Site
Duncan Avenue
Jersey City, NJ

3

Received By (print) RA

Date/Time 2:25 PM 8/24/02

By signing this manifest the Hauler accepts that it is solely
responsible for the amount of material that is being transported
as well as the methods and means for its travel.

Driven By (sig)

Marco Beryko

LINCOLN PARK WEST

Managed by Persistent Construction Corp. /
Impact Environmental
Duncan Avenue, Jersey City
Hudson County, NJ

Manifest Number:

69,421

Ticket Number:

28608

SCALE TICKET

Part 1

GENERATOR

Generator Name, Address and Telephone #:

4887

English Kills Ventures

5014 16th Ave, Suite 110

Source of Material (Description and Address):

Morgan Ave

200 Morgan Avenue

Brooklyn

NY

11219

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

Classification:

NON-RESIDUAL

non-res

WEIGHT

GROSS/TARE/NET (lbs)

93600 lb

30760 lb

62840 lb

NET (Tons):

31.420 tn

NOTES:

Part 3

WEIGHT CERTIFICATION

Ryan Adair

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program. Where loads are accepted by volume, this certification is made to the maximum capacity of the vehicle.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

Tare Time

Gross Time

8/24/12

2:48 pm

2:49 pm

Date and Time In and Out:

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Primary Transporter Name, Address and Permit #:

Secondary Transporter Name, Address and Permit #:

Driver Name and Signature (conditional):

AN951K

Truck Plate Number:

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Lincoln Park West by Persistent Construction Corp. and Impact Environmental Consulting, Inc. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the Lincoln Park West site. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Persistent Construction Corp. and Impact Environmental Consulting, Inc. to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Lincoln Park West and as directed by the facility staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: ENGLISH KILLS VENTURES
5014 16TH AVENUE, SUITE 110

SITE: MORGAN AVE
200 MORGAN AVENUE
BROOKLYN, NY 11219
BLOCK 2942, LOTS 101

JOB # 4867

1

Authorized By (print)

Authorized By (title)

Authorized By (sig)

TIME: _____ DATE: _____

Transporter:

C. F BROTHERS
#8

2

Driven By

Truck/Trailer Plate AN-951K

Driver Signature

TIME: _____ DATE: _____

Material/Note(s):

SITE LOCATION: _____

RESIDENTIAL ☐

NON-RESIDENTIAL ☒

Manifest
Number

69421



Project under the management of Impact
Environmental. In case of emergency call 631-269-
8800 or 516-805-8900

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 62840 GROSS WEIGHT 93600

NET TONS _____ TARE WEIGHT 30760

TICKET NUMBER 28608

Receiving Facility:

Lincoln Park West Landfill Closure Site
Duncan Avenue
Jersey City, NJ

3

Received By (print)

Date/Time

2:49 PM 8/24/02

By signing this manifest the Hauler accepts that it is solely
responsible for the amount of material that is being transported
as well as the methods and means for its travel.

Driven By (sig)

LINCOLN PARK WEST

Managed by Persistent Construction Corp. /
Impact Environmental
Duncan Avenue, Jersey City
Hudson County, NJ

Manifest Number:

69,422

Ticket Number:

9928609

28609

SCALE TICKET

Part 1

GENERATOR

Generator Name, Address and Telephone #:

4867

English Kills Ventures

5014 16th Ave, Suite 110

Source of Material (Description and Address):

Morgan Ave

200 Morgan Avenue

Brooklyn

NY

11219

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

NON RES SOIL

non res

NOTES:

WEIGHT

GROSS/TARE/NET (lbs)

97080 lb

26800 lb

70280 lb

NET (Tons):

35.140 tn

Part 3

WEIGHT CERTIFICATION

Ryan Adair

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program. Where loads are accepted by volume, this certification is made to the maximum capacity of the vehicle.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

Tare Time

Gross Time

8/24/12

2:51 pm

2:52 pm

Date and Time In and Out:

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Primary Transporter Name, Address and Permit #:

Secondary Transporter Name, Address and Permit #:

Driver Name and Signature (conditional):

DANIEL

Truck Plate Number:

7852

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Lincoln Park West by Persistent Construction Corp. and Impact Environmental Consulting, Inc. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the Lincoln Park West site. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Persistent Construction Corp. and Impact Environmental Consulting, Inc. to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Lincoln Park West and as directed by the facility staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: ENGLISH KILLS VENTURES
5014 16TH AVENUE, SUITE 110

SITE: MORGAN AVE
200 MORGAN AVENUE
BROOKLYN, NY 11219
BLOCK 2942, LOTS 101

Job # 4867

1

Authorized By (print)

Authorized By (title)

Authorized By (sig)

TIME: _____ DATE: _____

Transporter:

JAYM TRANSP.

2

Driven By

J GRANDA

Truck/Trailer Plate

ATL 143R

Driver Signature

TIME: _____ DATE: _____

Material/Note(s):

SITE LOCATION: _____

RESIDENTIAL ☐

NON-RESIDENTIAL ☒

Manifest
Number

69422



Project under the management of Impact
Environmental. In case of emergency call 631-269-
8800 or 516-805-8900

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 7020 GROSS WEIGHT 9100

NET TONS _____ TARE WEIGHT 2620

TICKET NUMBER 28609

Receiving Facility:

Lincoln Park West Landfill Closure Site
Duncan Avenue
Jersey City, NJ

3

Received By (print)

RA

Date/Time

2:52 PM 8/24/02

By signing this manifest the Hauler accepts that it is solely
responsible for the amount of material that is being transported
as well as the methods and means for its travel.

Driven By (sig)

LINCOLN PARK WEST

Managed by Persistent Construction Corp. /
Impact Environmental
Duncan Avenue, Jersey City
Hudson County, NJ

Manifest Number:

69,438

Ticket Number:

28614

SCALE TICKET

Part 1

GENERATOR

Generator Name, Address and Telephone #:

English Kills Ventures

5014 16th Ave, Suite 110

Source of Material (Description and Address):

Morgan Ave

200 Morgan Avenue

Brooklyn

NY

11219

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

Classification:

NON-RESIDUAL

Notes:

NOTES:

WEIGHT

GROSS/TARE/NET (lbs)

96500 lb

26300 lb

70200 lb

NET (Tons):

35.100 tn

Part 3

WEIGHT CERTIFICATION

Ryan Adair

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program. Where loads are accepted by volume, this certification is made to the maximum capacity of the vehicle.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

Tare Time

Gross Time

8/24/12

3:09 pm

3:09 pm

Date and Time In and Out:

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Primary Transporter Name, Address and Permit #:

Secondary Transporter Name, Address and Permit #:

Driver Name and Signature (conditional):

AM9511

Truck Plate Number:

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Lincoln Park West by Persistent Construction Corp. and Impact Environmental Consulting, Inc. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the Lincoln Park West site. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Persistent Construction Corp. and Impact Environmental Consulting, Inc. to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Lincoln Park West and as directed by the facility staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: ENGLISH KILLS VENTURES
5014 16TH AVENUE, SUITE 110

SITE: MORGAN AVE
200 MORGAN AVENUE
BROOKLYN, NY 11219
BLOCK 2942, LOTS 101

JOB # 4867

1

Authorized By (print)

Authorized By (title)

Authorized By (sig)

TIME: _____ DATE: _____

Transporter:

W. OJEDA
SONS

2

Driven By

Truck/Trailer Plate

Driver Signature

TIME: _____ DATE: 8/24/12

Material/Note(s):

SITE LOCATION: _____

RESIDENTIAL ☐

NON-RESIDENTIAL ☒

Manifest
Number

69438



Project under the management of Impact
Environmental. In case of emergency call 631-268-
8800 or 516-805-8900

TARE WEIGHT MUST BE INCLUDED
NET WEIGHT 70000 GROSS WEIGHT 96500
NET TONS _____ TARE WEIGHT 26300
TICKET NUMBER 23614

Receiving Facility:

Lincoln Park West Landfill Closure Site
Duncan Avenue
Jersey City, NJ

3

Received By (print)

Date/Time

By signing this manifest the Hauler accepts that it is solely
responsible for the amount of material that is being transported
as well as the methods and means for its travel.

Driven By (sig)

Transportation Charter / Manifest

Generator:

GENERATOR: ENGLISH KILLS VENTURES
5014 16TH AVENUE, SUITE 110

SITE: MORGAN AVE
200 MORGAN AVENUE
BROOKLYN, NY 11219
BLOCK 2942, LOTS 101

Job # 4867

1

Authorized By (print) ALAN ZUCKERMAN

Authorized By (title) manager

Authorized By (sig) [Signature]

TIME: _____ DATE: _____

Transporter:

MEB

2

Driven By Angel Reyes

Truck/Trailer Plate 4-AN6385

Driver Signature [Signature]

TIME: 6:10 DATE: 8-27-12

Material/Note(s):

SITE LOCATION: _____

RESIDENTIAL ☐

NON-RESIDENTIAL ☒

Manifest
Number

69451



Project under the management of Impact
Environmental. In case of emergency call 631-269-
8800 or 516-805-8900

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 70620 GROSS WEIGHT 93940

NET TONS _____ TARE WEIGHT 28320

TICKET NUMBER 28617

Receiving Facility:

Lincoln Park West Landfill Closure Site
Duncan Avenue
Jersey City, NJ

3

Received By (print) RA

Date/Time 7:05 AM 8/27/12

By signing this manifest the Hauler accepts that it is solely
responsible for the amount of material that is being transported
as well as the methods and means for its travel.

Driven By (sig) [Signature]

LINCOLN PARK WEST

Managed by Persistent Construction Corp. /
Impact Environmental
Duncan Avenue, Jersey City
Hudson County, NJ

Manifest Number:

69,451

Ticket Number:

9928617

28617

SCALE TICKET

Part 1

GENERATOR

Generator Name Address and Telephone #:

4867

English Kills Ventures

5014 16th Ave, Suite 110

Source of Material (Description and Address):

Morgan Ave

200 Morgan Avenue

Brooklyn

NY

11219

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

NON-RES SOIL

non-res

WEIGHT

GROSS/TARE/NET (lbs)

98940 lb

28320 lb

70620 lb

NET (Tons):

35.310 tn

NOTES:

Part 3

WEIGHT CERTIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program. Where loads are accepted by volume, this certification is made to the maximum capacity of the vehicle.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Ryan Adair

Name of Scale Operator:

Tare Time

Gross Time

8/27/12

7:04 am

7:05 am

Date and Time In and Out:

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Primary Transporter Name, Address and Permit #:

Secondary Transporter Name, Address and Permit #:

Driver Name and Signature (conditional):

AN0586

Truck Plate Number:

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Lincoln Park West by Persistent Construction Corp. and Impact Environmental Consulting, Inc. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the Lincoln Park West site. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Persistent Construction Corp. and Impact Environmental Consulting, Inc. to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Lincoln Park West and as directed by the facility staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: ENGLISH KILLS VENTURES
5014 16TH AVENUE, SUITE 110

SITE: MORGAN AVE
200 MORGAN AVENUE
BROOKLYN, NY 11219
BLOCK 2942, LOTS 101

JOB # 4867

1

Authorized By (print)

Art En 2nd Bn F1

Authorized By (title)

MANAGER

Authorized By (sig)

Art En 2nd Bn F1

TIME:

DATE:

Transporter:

Box M # 3

2

Driven By

DAVID CERDENA

Truck/Trailer Plate

AM 106 G

Driver Signature

[Signature]

TIME:

DATE:

8/27/12

Material/Note(s):

SITE LOCATION: _____

RESIDENTIAL

☐

NON-RESIDENTIAL

☒

Manifest
Number

69452



Project under the management of Impact
Environmental. In case of emergency call 631-269-
8800 or 516-805-8900

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT

77160

GROSS WEIGHT

106060

NET TONS

TARE WEIGHT

28900

TICKET NUMBER

28618

Receiving Facility:

Lincoln Park West Landfill Closure Site
Duncan Avenue
Jersey City, NJ

3

Received By (print)

RL

Date/Time

7:22 AM 8/27/12

By signing this manifest the Hauler accepts that it is solely
responsible for the amount of material that is being transported
as well as the methods and means for its travel.

Driven By (sig)

LINCOLN PARK WEST

Managed by Persistent Construction Corp. /
Impact Environmental
Duncan Avenue, Jersey City
Hudson County, NJ

Manifest Number: **69,452**

Ticket Number: **9928618 28618**

SCALE TICKET

Part 1

GENERATOR

Generator Name, Address and Telephone #:

4867

English Kills Ventures

5014 16th Ave Suite 110

Source of Material (Description and Address):

Morgan Ave

200 Morgan Avenue

Brooklyn

NY

11219

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

NON-RESIDUAL

non res

WEIGHT

GROSS/TARE/NET (lbs)

106060 lb

28900 lb

77160 lb

NET (Tons):

38.580 tn

NOTES:

Part 3

WEIGHT CERTIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program. Where loads are accepted by volume, this certification is made to the maximum capacity of the vehicle.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Ryan Adair

Name of Scale Operator:

Tare Time

Gross Time

6/27/12

7:21 am

7:21 am

Date and Time In and Out:

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Primary Transporter Name, Address and Permit #:

B&M 03

Secondary Transporter Name, Address and Permit #:

Driver Name and Signature (conditional):

AM108G

Truck Plate Number:

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Lincoln Park West by Persistent Construction Corp. and Impact Environmental Consulting, Inc. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the Lincoln Park West site. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Persistent Construction Corp. and Impact Environmental Consulting, Inc. to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Lincoln Park West and as directed by the facility staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: ENGLISH KILLS VENTURES
5014 16TH AVENUE, SUITE 110

SITE: MORGAN AVE
200 MORGAN AVENUE
BROOKLYN, NY 11219
BLOCK 2942, LOTS 101

Job # 4867

1

Authorized By (print)

Authorized By (title)

Authorized By (sig)

TIME: _____ DATE: _____

Transporter:

MCB # 3
Belkville N.J.

2

Driven By

Truck/Trailer Plate AM 612 M

Driver Signature

TIME: _____ DATE: 8-27-12

Material/Note(s):

SITE LOCATION: _____

RESIDENTIAL

☐

NON-RESIDENTIAL

☒

Manifest
Number

69453



TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 6800 GROSS WEIGHT 9700

NET TONS _____ TARE WEIGHT 2800

TICKET NUMBER 28620

Project under the management of Impact
Environmental. In case of emergency call 631-269-
8800 or 516-805-8900

Received By (print)

Date/Time

7:49 AM 8/27/12

Receiving Facility:

Lincoln Park West Landfill Closure Site
Duncan Avenue
Jersey City, NJ

3

By signing this manifest the Hauler accepts that it is solely
responsible for the amount of material that is being transported
as well as the methods and means for its travel.

Driven By (sig)

Loef

LINCOLN PARK WEST

Managed by Persistent Construction Corp. /
Impact Environmental
Duncan Avenue, Jersey City
Hudson County, NJ

Manifest Number:

69,453

Ticket Number:

9928620

28620

SCALE TICKET

Part 1

GENERATOR

Generator Name, Address and Telephone #:

English Kills Ventures

5014 16th Ave, Suite 110

Source of Material (Description and Address):

Morgan Ave

200 Morgan Avenue

Brooklyn

NY

11219

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

NON-RES SOIL

NON-RES

WEIGHT

GROSS/TARE/NET (lbs)

97120 lb

28900 lb

68220 lb

NET (Tons):

34.110 tn

NOTES:

Part 3

WEIGHT CERTIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program. Where loads are accepted by volume, this certification is made to the maximum capacity of the vehicle.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Ryan Adair

Name of Scale Operator:

Tare Time

Gross Time

8/27/12

7:49 am

7:49 am

Date and Time In and Out:

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Primary Transporter Name, Address and Permit #:

Secondary Transporter Name, Address and Permit #:

Driver Name and Signature (conditional):

AM612M

Joel

Truck Plate Number:

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Lincoln Park West by Persistent Construction Corp. and Impact Environmental Consulting, Inc. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the Lincoln Park West site. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Persistent Construction Corp. and Impact Environmental Consulting, Inc. to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Lincoln Park West and as directed by the facility staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: ENGLISH KILLS VENTURES
5014 16TH AVENUE, SUITE 110

SITE: MORGAN AVE
200 MORGAN AVENUE
BROOKLYN, NY 11219
BLOCK 2942, LOTS 101

JOB # 4867

1

Authorized By (print)

Authorized By (title)

Authorized By (sig)

TIME: _____ DATE: _____

Transporter:

2

Driven By Angel Reyes

Truck/Trailer Plate 4- AN638J

Driver Signature

TIME: _____ DATE: 8-27-12

Material/Note(s):

SITE LOCATION: _____

RESIDENTIAL ☐

NON-RESIDENTIAL ☒

Manifest
Number

69454



Project under the management of Impact
Environmental. In case of emergency call 631-269-
8800 or 516-805-8900

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 61220 GROSS WEIGHT 79540

NET TONS _____ TARE WEIGHT 28320

TICKET NUMBER 28642

Receiving Facility:

Lincoln Park West Landfill Closure Site
Duncan Avenue
Jersey City, NJ

3

Received By (print) A

Date/Time

9:43 AM 8/27/12

By signing this manifest the Hauler accepts that it is solely
responsible for the amount of material that is being transported
as well as the methods and means for its travel

Driven By (sig)

Angel Reyes

LINCOLN PARK WEST

Managed by Persistent Construction Corp. /
Impact Environmental
Duncan Avenue, Jersey City
Hudson County, NJ

Manifest Number:

69,454

Ticket Number:

9928642

28642

SCALE TICKET

Part 1

GENERATOR

Generator Name, Address and Telephone #:

4867

English Kills Ventures

5014 16th Ave, Suite 110

Source of Material (Description and Address):

Morgan Ave

200 Morgan Avenue

Brooklyn

NY

11219

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

NON-RESIDUAL

non-res

NOTES:

WEIGHT

GROSS/TARE/NET (lbs)

89540 lb

28320 lb

61220 lb

NET (Tons):

30.610 tn

Part 3

WEIGHT CERTIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program. Where loads are accepted by volume, this certification is made to the maximum capacity of the vehicle.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Ryan Adair

Name of Scale Operator:

Tare Time

Gross Time

8/27/12

9:42 am

9:45 am

Date and Time In and Out:

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Primary Transporter Name, Address and Permit #:

Secondary Transporter Name, Address and Permit #:

Chris Pica

Driver Name and Signature (conditional):

AN638J

Truck Plate Number:

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Lincoln Park West by Persistent Construction Corp. and Impact Environmental Consulting, Inc. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the Lincoln Park West site. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Persistent Construction Corp. and Impact Environmental Consulting, Inc. to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Lincoln Park West and as directed by the facility staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: ENGLISH KILLS VENTURES
5014 16TH AVENUE, SUITE 110

SITE: MORGAN AVE
200 MORGAN AVENUE
BROOKLYN, NY 11219
BLOCK 2942, LOTS 101

Job # 4867

1

Authorized By (print)

Authorized By (title)

Authorized By (sig)

TIME: _____ DATE: _____

Transporter:

Bax M
#3

2

Driven By

DAVID CERDENA

Truck/Trailer Plate

AM 106 G

Driver Signature

TIME: _____ DATE: 8/27/12

Material/Note(s):

SITE LOCATION: _____

RESIDENTIAL ☐

NON-RESIDENTIAL ☒

Manifest
Number

69456



TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 69400 GROSS WEIGHT 98300

NET TONS _____ TARE WEIGHT 27900

TICKET NUMBER 28648

Project under the management of Impact
Environmental. In case of emergency call 631-269-
8800 or 516-805-8900

Receiving Facility:

Lincoln Park West Landfill Closure Site
Duncan Avenue
Jersey City, NJ

3

Received By (print)

Date/Time

10:08 AM 8/27/12

By signing this manifest the Hauler accepts that it is solely
responsible for the amount of material that is being transported
as well as the methods and means for its travel.

Driven By (sig)

LINCOLN PARK WEST

Managed by Persistent Construction Corp. /
Impact Environmental
Duncan Avenue, Jersey City
Hudson County, NJ

Manifest Number:

69,456

Ticket Number:

9928648 28648

SCALE TICKET

Part 1

GENERATOR

Generator Name, Address and Telephone #:

4867

English Kills Ventures

5014 16th Ave, Suite 110

Source of Material (Description and Address):

Morgan Ave

200 Morgan Avenue

Brooklyn

NY

11219

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

Classification:

NON RES

WEIGHT

GROSS/TARE/NET (lbs)

98300 lb

28900 lb

69400 lb

NET (Tons):

34.700 tn

NOTES:

Part 3

WEIGHT CERTIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program. Where loads are accepted by volume, this certification is made to the maximum capacity of the vehicle.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Ryan Adair

Name of Scale Operator:

Tare Time

Gross Time

8/27/12

10:07 am

10:08 am

Date and Time In and Out:

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Primary Transporter Name, Address and Permit #:

Secondary Transporter Name, Address and Permit #:

Driver Name and Signature (conditional):

AM1006

Truck Plate Number:

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Lincoln Park West by Persistent Construction Corp. and Impact Environmental Consulting, Inc. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the Lincoln Park West site. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Persistent Construction Corp. and Impact Environmental Consulting, Inc. to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Lincoln Park West and as directed by the facility staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: ENGLISH KILLS VENTURES
5014 16TH AVENUE, SUITE 110

SITE: MORGAN AVE
200 MORGAN AVENUE
BROOKLYN, NY 11219
BLOCK 2942, LOTS 101

JOB # 4867

1

Authorized By (print)

Authorized By (title)

Authorized By (sig)

TIME: _____

DATE: _____

Transporter:

MCB #3
Belleville N.J.

2

Driven By

Truck/Trailer Plate

Driver Signature

TIME: _____

DATE: 8-27-12

Material/Note(s):

SITE LOCATION: _____

RESIDENTIAL ☐

NON-RESIDENTIAL ☒

Manifest
Number

69455



TARE WEIGHT MUST BE INCLUDED

NET WEIGHT

GROSS WEIGHT

NET TONS

TARE WEIGHT

TICKET NUMBER

Project under the management of Impact
Environmental. In case of emergency call 631-269-
8800 or 516-805-8900

Receiving Facility:

Lincoln Park West Landfill Closure Site
Duncan Avenue
Jersey City, NJ

3

Received By (print)

Date/Time

By signing this manifest the Hauler accepts that it is solely
responsible for the amount of material that is being transported
as well as the methods and means for its travel.

Driven By (sig)

LINCOLN PARK WEST

Managed by Persistent Construction Corp. /
Impact Environmental
Duncan Avenue, Jersey City
Hudson County, NJ

Manifest Number:

69,455

Ticket Number:

9928659

28659

SCALE TICKET

Part 1

GENERATOR

Generator Name, Address and Telephone #:

4867

English Kills Ventures

5014 16th Ave, Suite 110

Source of Material (Description and Address):

Morgan Ave

200 Morgan Avenue

Brooklyn

NY

11219

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

NON-RES SOIL

non res

WEIGHT

GROSS/TARE/NET (lbs)

92400 lb

28900 lb

63500 lb

NET (Tons):

31.750 tn

NOTES:

Part 3

WEIGHT CERTIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program. Where loads are accepted by volume, this certification is made to the maximum capacity of the vehicle.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Ryan Adair

Name of Scale Operator:

Tare Time

Gross Time

8/27/12

10:59 am

11:00 am

Date and Time In and Out:

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Primary Transporter Name, Address and Permit #:

Secondary Transporter Name, Address and Permit #:

Driver Name and Signature (conditional):

ADAM

Joel

Truck Plate Number:

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Lincoln Park West by Persistent Construction Corp. and Impact Environmental Consulting, Inc. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the Lincoln Park West site. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Persistent Construction Corp. and Impact Environmental Consulting, Inc. to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Lincoln Park West and as directed by the facility staff.

ORIGINAL

Ticket#: 337800284285
 Date: 7/18/2013
 Time: 08:37:53
 Scale: 1
 Unit: 7718/2013 08:44:23
 P.T.
 Gross: 44.70
 Tare: 14.92
 Net: 29.78
 Lbs
 Tons

Clean Earth of Carteret
 24 Huddleson Avenue
 Carteret, NJ 07008
 PH: (732) 541-8900 Fax: (732) 541-8105
 Manifest: 660075
 Vehicle ID: DI 3

Customer: FRO PECK, INC.
 Facility: English Kills Landfills
 Generator: English Kills Landfills
 Gen Address: 3814 16th Avenue - Suite 118
 Brooklyn, NY 11219
 Facility Approval: 123570373
 Job Name: Morgan Ave/English Kills Unit
 Job Address: 280 Morgan Avenue
 Brooklyn, NY 11219

Origin: Kings
 Materials & Services
 Soil Treatment Type II
 Contaminant Type: MXY SPECIFIC SOURCE
 Treatment Type: Bio
 For Waste Code: NJ DEP ID 27 DECONTAMINATE/GENERAL 2/8/2013

Quantity Unit
 30.18 Tons
 Comments:

Driver: Ramiro
 Facility: English Kills Landfills



Manifest # 660875

GLOBAL JOB NUMBER: 124315

FACILITY APPROVAL NUMBER: 12470399

Please Check One:

☒ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633☐ Other

_____☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: Morgan Ave/English Kills Ventures, LLC 200 Morgan Avenue Brooklyn, NY 11219	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: 701-1727	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non-haz contaminated soil

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Aaron Abramson

Title: Agent

Signature: [Signature]

Date and Time: 6:30 5-18-13

TRANSPORTER

Company: DI

Phone Number:

Address: NEWARK NJ

Truck # and License Plate: 03 AN 828W

Driver: Raymond Naim

SW Haulers Permit #: NJ 864

(Type or Print Clearly)

(applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Raymond Naim

Date and Time: 07 18 13

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Raymond Naim

Date and Time: 07 18 13

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [Signature]

Date and Time: 7/18/13

GENERATOR

Waste

Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: (732) 541-8987 Fax: (732) 541-8105

Tickets: 3000004515

In: 7/18/2013 09:00:17 Scale 1
Out: 7/18/2013 09:10:14 P.T.

Manifest: 600876
Vehicle ID: 6000000001

Lbs: 45.50
Inches: 32.40
Tons: 12.00
Net: 32.40

Customer: PRO TECH, INC

Generators: English Kills Ventures LL
Gen Address: 5014 16th Avenue - Suite 113
Brooklyn, NY 11219
Facility Address: 123270399
Job Name: Morgan New-English Kills Vent
Job Address: 200 Morgan Avenue
Brooklyn, NY 11219

Origin

Materials & Services

Quantity Unit

Kings

Soil Treatment Type II

32.40 Tm

Contaminant Type: HAP SPECIFIC SOURCE
Treatment Type: E10

Fac Waste Code: NJ DEP ID E7 DECONTAMINATE/AUETOL 2/8/2013

Comments

Driver: Wilson,

Facility: Lukasz Oglański



Manifest # 660876

GLOBAL JOB NUMBER: 124315

FACILITY APPROVAL NUMBER: 23070399

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633☐ Other

_____☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: Morgan Ave/English Hills Ventures, LLC 200 Morgan Avenue Brooklyn, NY 11219 GENERATOR'S PHONE: 701-1727	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
--	--

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non haz contaminated soil

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Andrew Hernandez
Signature: _____Title: Superintendent
Date and Time: 7/23/13 10:22 AM

TRANSPORTER

Company: AHV/DALIN Trucking
Address: 190 Drake Lane N.J.
Driver: Wilson Rueda
(Type or Print Clearly)Phone Number: ANDRADOS #1
Truck # and License Plate: A-17186
SW Haulers Permit #: _____
(applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Wilson RuedaDate and Time: 7/18/13

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Wilson RuedaDate and Time: 7/18/13

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____

Date and Time: 7/18/13

GENERATOR

Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07006
Ph: (732) 541-8389 Fax: (732) 541-8185

Ticket: 307000204527

In: 7/18/2013 09:32:45 Scale 1
Out: 7/18/2013 09:32:53 2.1.

Manifest: 600877

Vehicle ID: W0000094

Customer: PRO TECH, INC

Generator: English Killa Ventures LLC
Gen Address: 5814 16th Avenue - Suite 118
Brooklyn, NY 11219

Facility Approval: 123578399
Job Name: Morgan Ave/English Kills Vent
Job Address: 2800 Morgan Avenue
Brooklyn, NY 11219

Origin

Materials & Services

Quantity Unit

Kings

Soil Treatment Type II

33.81 Tons

Contaminant Type: NON SPECIFIC SOURCE

Treatment Type: BIO

Fac Waste Code: NJ DEP ID 27 DECONTAMINATE/AMERIL 2/8/2013

Comments:

Driver:

Hansen

Facility:

Lukas Ogilvie



Manifest # 660877

GLOBAL JOB NUMBER: 124319

FACILITY APPROVAL NUMBER: 23070399

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633☐ Other

_____☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: Morgan Ave/English Kills Ventures, LLC 200 Morgan Avenue Brooklyn, NY 11219	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: 81-701-1727	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non haz contaminated soil

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Aaron Alvarado

Title: Lead

Signature: [Signature]

Date and Time: 7-18-13

TRANSPORTER

Company: AMV/Darin

Phone Number:

Address:

Truck # and License Plate: Andrade's AK2015

Driver: Nelson Andrade

SW Haulers Permit #: 4

(Type or Print Clearly)

(applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Nelson Andrade

Date and Time: 7-18-13

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Nelson Andrade

Date and Time: 7-18-13

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [Signature]

Date and Time: 7/18/13

GENERATOR

Lucy Oakes



Manifest # 660878

GLOBAL JOB NUMBER: 124315

FACILITY APPROVAL NUMBER: 23070399

Please Check One:

- ☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- ☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- ☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- ☐ Other _____
- ☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- ☐ Clean Earth of North Jersey
115 Jacobus Avenue
Keamy, NJ 07032
Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: Morgan Ave/English Kills Ventures, LLC 200 Morgan Avenue Brooklyn, NY 11219		GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: 81-701-1727		TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
		NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION Non haz contaminated soil		
GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected. I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations. Name: <u>[Signature]</u> Title: <u>[Signature]</u> Signature: <u>[Signature]</u> Date and Time: <u>7/18/13</u>		
TRANSPORTER Company: <u>[Signature]</u> Phone Number: _____ Address: _____ Truck # and License Plate: <u>AL 312C</u> Driver: <u>[Signature]</u> SW Haulers Permit #: _____ (Type or Print Clearly) (applicable state permit #)		
I hereby certify that the above named material was picked up at the site listed above. Driver Signature: <u>[Signature]</u> Date and Time: <u>7/18/13</u>		
DESTINATION I hereby certify that the above named material was delivered without incident to the facility noted above. Driver Signature: <u>[Signature]</u> Date and Time: <u>7/18/13</u> I hereby certify that the above named material has been accepted at the above referenced facility. Authorized Signature: <u>[Signature]</u> Date and Time: <u>7/18/13</u>		

GENERATOR

2-53

Clean Earth of Carbet
24 Middlesex Avenue
Carbet, NJ 07003
Ph: (732) 541-6969 Fax: (732) 541-6189

Manifest: 660879
Vehicle ID: CFFB097

Customer: KRO TECK, INC.

Generator: English Kills Ventures LL
Gen Address: 5814 16th Avenue - Suite 110
Brooklyn, NY 11219

Facility Approval: 123078393

Job Name: Morgan Ave/English Kills Cont
Job Address: 290 Morgan Avenue
Brooklyn, NY 11219

Ticket: 20100826/245
In: 7/18/2013 09:55:41 Scale 1
Out: 7/18/2013 10:04:30 S.T.

Gross: 98290 Lbs
Tare: 136340
Net: 71740 Tns

Origin: Materials & Services Quantity Unit

Kinds: Soil Treatment Type II 35.07 Tns

Container Type: NON-SPECIFIC SURFCE

Treatment Type: Bio

Fac Waste Codes: NJ DEP ID 27 DECONTAMINATE/AERIL 2/8/2013

Comments:

Driver: Jose

Facility: Lohman Drydock



Manifest # 660879

GLOBAL JOB NUMBER: 124315

FACILITY APPROVAL NUMBER: 3070199

Please Check One:

☒ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633☐ Other

_____☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: Morgan Ave/English Hills Ventures, LLC 200 Morgan Avenue Brooklyn, NY 11219		GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: 81-701-1727		TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
		NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non haz contaminated soil

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Dustin AbrahamTitle: OwnerSignature: [Signature]Date and Time: 7-18-13

TRANSPORTER

Company: CFB

Phone Number: _____

Address: A7Truck # and License Plate: NL794WDriver: Jose Quintan

SW Haulers Permit #: _____

(Type or Print Clearly)

(applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Jose QuintanDate and Time: 7-18-13

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Jose QuintanDate and Time: 7-18-13

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [Signature]Date and Time: 7/18/13

GENERATOR

Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07024
Ph: (732) 541-6969 Fax: (732) 541-8105

Ticket: 3000050-651

In: 7/18/2013 10:03:02 Scale 1
Out: 7/18/2013 10:10:00 P.T.

Manifest: 500000
Vehicle ID: CF30009

Customer: PRO TECH, INC

Generator: English Kills Ventures LL
Gen Address: 5814 16th Avenue - Suite 110
Brooklyn, NY 11219

Facility Approval: 100000009

Job Name: Morgan Ave/English Kills Vert
Job Address: 200 Morgan Avenue
Brooklyn, NY 11219

Origin

Materials & Services

Quantity Unit

Kings

3000 Treatment Type II

Contaminant Type: NON-SPECIFIC SOURCE

Treatment Type: B10

Fac Waste Code: NJ DEP ID 27 DEACTIVATED/QUERD. 2/8/2013

Comments

Driver:

Facility:

Lukas Deglerok



Manifest # 660880

GLOBAL JOB NUMBER: 124315

FACILITY APPROVAL NUMBER: 23070399

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909☐ Clean Earth of Maryland
1489 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633☐ Other

_____☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: Morgan Ave/English Kills Ventures, LLC 200 Morgan Avenue Brooklyn, NY 11219 GENERATOR'S PHONE: 701-701-1727	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
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DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non haz contaminated soil

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Aaron Abraham
Signature: _____Title: Agent
Date and Time: 11/18/13

TRANSPORTER

Company: C.F. BROSS
Address: 69 1st Second St
Driver: Matthew Bross
(Type or Print Clearly)Phone Number: _____
Truck # and License Plate: AN 6564 #9
SW Haulers Permit #: _____
(applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: 11/18/13

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: 11/18/13

GENERATOR

Cleam Earth of Carborat
24 Middlesex Avenue
Carborat, NJ 07008
PH: (732) 541-0305 Fax: (732) 541-5105

Manifest: 560281
Vehicle ID: MPML054

Customer: PEO YELK, INC

Generator: English Killis Ventures LLC
Gen Address: 5014 16th Avenue - Suite 110
Brooklyn, NY 11219

Facility Approval: 120070399

Job Name: Morgan Chem/English Killis Vent
Job Address: 200 Morgan Avenue
Brooklyn, NY 11215

Origin

Kings

Materials & Services

Soil Treatment Type II

Contaminant Type: NON-SPECIFIC SOURCE

Treatment Type: Bio

Fac Waste Code: NJ DEP ID 27 DECONTAMINATE/REMIT. E/S/2013

Comment:

Ticket: 3870000000204
Date: 7/15/2013 Time: 10:34:24 Scale 1
Qty: 7.68/2013 10:40:50 P.T.

Gross: 91940 Tbs
Tare: 38020
Net: 53920

Quantity Unit

30.95 Tbs

Driver:

Edgely

Facility:

Lukaszyk Confirmed



Manifest # 660881

GLOBAL JOB NUMBER: 124315

FACILITY APPROVAL NUMBER: 23070309

Please Check One:

- ☒ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- ☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- ☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- ☐ Other
- ☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- ☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: Morgan Ave/English Mills Ventures, LLC 200 Morgan Avenue Brooklyn, NY 11219	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: 201-701-1727	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non haz contaminated soil

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Arjun Title: Arjun
Signature: [Signature] Date and Time: 7/10/13

TRANSPORTER

Company: MANOLOS TRUCKING Phone Number: MANOLOS # 21
Address: 58 MERRILL PL Truck # and License Plate: AN 9831
Driver: EDGAR RUINHO SW Haulers Permit #:
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: EDGAR RUINHO Date and Time: 7/10/13

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [Signature] Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [Signature] Date and Time: 7/10/13

GENERATOR

Clean Earth of Carteret
24 Riddlesex Avenue
Carteret, NJ 07008
Ch: (732) 541-8909 Fax: (732) 541-8105

Ticket: 067088894559

Date: 7/10/2013 Time: 10:47:20 Scale: 1
In: 7/10/2013 Time: 10:54:26 Scale: 1
Out: 7/10/2013 Time: 10:54:26 P.T.

Manifest: 662882
Vehicle ID: 0011902

Lbs: 20980 Tcs: 45.49
Gross: 20980
Tares: 27600
Net: 53380

Customer: PRO. TECH, INC

Generator: English Kills Ventures LLC
Gen Address: 5014 12th Avenue - Suite 110
Brooklyn, NY 11219
Facility Address: 1230 Morgan Ave. English Kills Ventr
Job Name: 200 Morgan Avenue
Job Address: Brooklyn, NY 11219

Origin

Materials & Services

Quantity Unit

Kings

Solid Treatment Type II

Contaminant Type: NON SPECIFIC SURGE
Treatment Type: Bio

31.69 lbs

Fac Waste Code: NY DEP 10 27 DECONTAMINATE/OTHER 5/0/2013

Comment:

Driver: Jachonay

Facility: Lukasz Deglarski



Manifest # 660882

GLOBAL JOB NUMBER: 124315

FACILITY APPROVAL NUMBER: 23070399

Please Check One:

- * ☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- ☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- ☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- ☐ Other
- ☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- ☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: Morgan Ave/English Kills Ventures, LLC 280 Morgan Avenue Brooklyn, NY 11219	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: 718-701-1727	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non haz contaminated soil

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Jason Antonian Title: Agent
Signature: [Signature] Date and Time: 7/18/13

TRANSPORTER

Company: W. D. JEDA Phone Number: _____
Address: LINDEN Truck # and License Plate: 2 / AM 991T
Driver: JOHANNY SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.
Driver Signature: [Signature] Date and Time: 7/18/13

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.
Driver Signature: [Signature] Date and Time: 7/18/13
I hereby certify that the above named material has been accepted at the above referenced facility.
Authorized Signature: [Signature] Date and Time: 7/18/13

GENERATOR

Clean Earth of Carveret
24 Middlesex Avenue
Carveret, NJ 07000
Ph: (732) 341-8989 Fax: (732) 341-8183

Ticket: 307000224271

In: 7/16/2013 10:53:00 Scale 1
Out: 7/16/2013 10:55:17 P.T.

Manifest: 650023
Vehicle ID: DI 4

Customer: PRO TECH, INC

Genest: 25320 Lbs 17.89
Tare: 29760 14.00
Net: 65620 32.91

Generator: English Kills Ventures, LLC
Gen Address: 2014 18th Avenue - Suite 110
Brooklyn, NY 11219

Facility Approval: 123070339
Job Name: Morgan Ave/English Kills Vent
Job Address: 200 Morgan Avenue
Brooklyn, NY 11219

Origin
Kings

Materials & Services

Quantity Unit

Soil Treatment Type II

Contaminant Type: NON SPECIFIC SOURCE
Treatment Type: BIO

Fac Waste Code: NJ DEP ID 27 DENTINATE/HAZIL 2/8/2013

Comments:

Driver:

William

Facility:

Lucas Englund



Manifest # 660883

GLOBAL JOB NUMBER: 124315

FACILITY APPROVAL NUMBER: 23070399

Please Check One:

- ☒ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- ☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- ☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- ☐ Other
- ☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- ☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: Morgan Ave/English Kills Ventures, LLC 200 Morgan Avenue Brooklyn, NY 11219		GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: 718-701-1727		TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
		NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non Haz contaminated soil

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Aaron Abuchian

Title: Agent

Signature: [Signature]

Date and Time: 02-18-13

TRANSPORTER

Company: DE TRK

Phone Number:

Address: NEWARK

Truck # and License Plate: AP 191 K

Driver: CRILION

SW Haulers Permit #: #4

(Type or Print Clearly)

(applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature]

Date and Time: 02-18-13

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [Signature]

Date and Time: 02-18-13

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [Signature]

Date and Time: 2/18/13

GENERATOR

DATE	TIME	SCALE
7/18/2013	10:45:37	SCALE
7/18/2013	11:05:14	P.T.

Job Name: Morgan Don/English Hills Park
Job Address: 600 Morgan Avenue
Brooklyn, NY 11219

Wages



Manifest # 660884

GLOBAL JOB NUMBER: 124315

FACILITY APPROVAL NUMBER: 23070599

Please Check One:

- ☒ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- ☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- ☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- ☐ Other _____
- ☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- ☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: Morgan Ave/English Hills Ventures, LLC 100 Morgan Avenue Brooklyn, NY 11215 251-701-1727	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non haz contaminated soil

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Aaron Alcaraz

Title: Aaron

Signature: [Signature]

Date and Time: 6:50 PM 7/18/13

TRANSPORTER

Company: Andrades Trucking

Phone Number:

Address: Norwalk CT

Truck # and License Plate: AD 391B #2

Driver: William Cole

SW Haulers Permit #:

(Type or Print Clearly)

(applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: William Cole

Date and Time: William Cole 7/18/13

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: William Cole

Date and Time: 7/18/13

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [Signature]

Date and Time: 7/18/13

GENERATOR

Client Information Clean Earth of Carteret 24 Middlesex Avenue Carteret, NJ 07005 PH: (732) 541-8909 FAX: (732) 541-8105		Manifest Details Manifest # 668825 Vehicle ID: 668825 Customer: RAD TECH, INC		Facility Information Generator: English Kills (Ventures II) Gen Address: 5814 16th Avenue - Suite 110 Brooklyn, NY 11219		Manifest Details Ticket: 387880224286 Date: 7/19/2013 Time: 11:11:16 Scale: 1 Qty: 768/2013 11:16:28 P.T.	
Weight & Volume Gross: 35748 Tare: 27828 Net: 58140 Lbs: 35748 Yrs: 47.57 13.90 34.57		Facility Approval Facility Approval #: 123478329 Job Name: Morgan Ave/English Kills (Gen) Job Address: 280 Morgan Avenue Brooklyn, NY 11219		Quantity Unit 34.57 Yrs		Contaminant Type Contaminant Type: NON SPECIFIC SOURCE Treatment Type: BIO Fac Waste Code: NJ DEP ID P? DEACTIVATED/AVAIL 2/8/2013	
Origin Kings		Materials & Services Materials & Services		Comments Comments		Driver Driver: Walter	
Facility Facility: Lukasz Ceglinski							



Manifest # 660885

GLOBAL JOB NUMBER: 124313

FACILITY APPROVAL NUMBER: 123070399

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633☐ Other☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:		GROSS WEIGHT:	
Morgan Ave/English Hills Ventures, LLC		<input type="checkbox"/> Tons <input type="checkbox"/> Yards	
200 Morgan Avenue		TARE WEIGHT:	
Brooklyn, NY 11215		<input type="checkbox"/> Tons <input type="checkbox"/> Yards	
GENERATOR'S PHONE:		NET WEIGHT:	
201-701-1727		<input type="checkbox"/> Tons <input type="checkbox"/> Yards	
DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION			
Non haz contaminated soil			
GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.			
I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.			
Name: Ayron Aguilera		Title: Agent	
Signature: [Signature]		Date and Time: 7/18/13	
TRANSPORTER			
Company: AMV		Phone Number:	
Address:		Truck # and License Plate: H0307E-01	
Driver:		SW Haulers Permit #:	
(Type or Print Clearly)		(applicable state permit #)	
I hereby certify that the above named material was picked up at the site listed above.			
Driver Signature: [Signature]		Date and Time: 7/18/13	
DESTINATION			
I hereby certify that the above named material was delivered without incident to the facility noted above.			
Driver Signature: [Signature]		Date and Time: 7/18/13	
I hereby certify that the above named material has been accepted at the above referenced facility.			
Authorized Signature: [Signature]		Date and Time: 7/18/13	

GENERATOR

Clean Earth of Carberat
24 Middlesex Avenue
Carberat, NJ 07006
PH: (732) 541-8389 FAX: (732) 541-8125

Ticket: 3870632/4/2013

In: 7/18/2013 11:19:05 Scale 1
Out: 7/18/2013 11:24:32 P.T.

Manifest: 650990

Vehicle ID: 915

Customer: PRO TECH, INC

Lbs Tns
Gross: 50500 99.25
Tare: 28500 14.14
Net: 22000 15.11

Generator: English Kills Ventures II
Gen Address: 5214 16th Avenue - Suite 110
Brooklyn, NY 11219

Facility Approval#: 123070399
Job Name: Morgan Ave/English Kills Vent
Job Address: 505 Morgan Avenue
Brooklyn, NY 11219

Origin

Materials & Services

Quantity Unit

Kings

Soil Treatment Type II

Contaminant Type: NM SPECIFIC SOURCE
Treatment Type: Bid

35.11 Tns

Fac Waste Order NO DEP ID 27 DEACTIVATE/RETRIL 2/8/2013

Comments

Driver:

Paul Flai

Facility:

Lukas Deglarok



Manifest # 860886

GLOBAL JOB NUMBER:

124313

FACILITY APPROVAL NUMBER:

123070399

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6833☐ Other☐ Clean Earth of Philadelphia
3201 S. 81st Street
Philadelphia, PA 19153
Ph: 215-724-5520☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT:
Morgan Ave/English Hills Ventures, LLC	<input type="checkbox"/> Tons <input type="checkbox"/> Yards
700 Morgan Avenue	TARE WEIGHT:
Brooklyn, NY 11219	<input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: 201-701-1727	NET WEIGHT:
	<input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non haz contaminated soil

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: David A. AlvaradoTitle: AgentSignature: [Signature]Date and Time: 7/18/13

TRANSPORTER

Company: DI TRUCKING

Phone Number: _____

Address: 110 TAHER ST NEWARK, NJTruck # and License Plate: AP50RNDriver: RONNIE DESOUZASW Haulers Permit #: DI 405

(Type or Print Clearly)

(applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature]Date and Time: 7/18/13

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [Signature]Date and Time: 7/18/13

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [Signature]Date and Time: 7/18/13

GENERATOR

Clean Earth of Carlsbad
24 Middlesex Avenue
Carlsbad, NJ 07008
Ph: (732) 541-0980 Fax: (732) 541-8185

Ticket: 387002284319

Date: 7/18/2013 Time: 12:38:42 Scale: 1
Date: 7/18/2013 Time: 12:39:07 P.T.

Manifest: 650087
Vehicle ID: 04000081

Loc: 33000
Gross: 46.99
Tare: 12.80
Net: 34.19

Customer: PRO TECH, INC

Generator: English Kills Ventures LL
Gen Address: 5816 16th Avenue - Suite 110
Brooklyn, NY 11219
Job Name: Morgan Ave/English Kills Vent
Job Address: 250 Morgan Avenue
Brooklyn, NY 11219

Facility Approval: 183870099

Origin: Kings

Materials & Services

Quantity Limit

Soil Treatment Type: 11

Contaminant Type: NON-SPECIFIC SOURCE

Treatment Type: BIO

Fac Waste Code: NJ DEP ID 27 DECONTINATE/MEXIL 2/0/0513

Comment:

Driver: Wilson

Facility:

Lukasz Ceglarek



Manifest # 660887

GLOBAL JOB NUMBER:

124313

FACILITY APPROVAL NUMBER:

125070399

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Other

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: Morgan Ave/English Hills Ventures, LLC 200 Morgan Avenue Brooklyn, NY 11219	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: 201-701-1727	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non haz contaminated soil

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Aaron Abrahamson

Title: Aaron

Signature: [Signature]

Date and Time: 7/18/13

TRANSPORTER

Company: AMV / Dabin Trucking

Phone Number:

Address: 190 Drake Lane N.J.

Truck # and License Plate:

Driver: Wilson Bucita

SW Haulers Permit #:

(Type or Print Clearly)

(applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature]

Date and Time: 7/18/13

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [Signature]

Date and Time: 7/18/13

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [Signature]

Date and Time: 7/18/13

GENERATOR

City of
Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: (732) 541-8303 Fax: (732) 541-8195

Ticket# 307020304328

Date Time Scale
In: 7/18/2013 12:53:30 Scale 1
Out: 7/18/2013 12:57:36 P.T.

Manifest: 660065
Vehicle ID: DI 3

Customer: PRO TECH, INC.

Generator: English Kills Ventures LL
Gen Address: 5014 15th Avenue - Suite 118
Brooklyn, NY 11219

Facility Approval: 123070309
Job Name: Morgan Ave/English Kills Work
Job Address: 200 Morgan Avenue
Brooklyn, NY 11219

Origin

Materials & Services

Quantity Unit

Soil Treatment Type II

Contaminant Type: NON-SPECIFIC SOURCE
Treatment Type: Bio

35.16 Tons

For Waste Code: NJ DEP ID 27 DECONTAMINATE/REPAIR 2/8/2013

Comments:

Driver:

Radio:

Facility:

Lukaszyk



Manifest # 660888

GLOBAL JOB NUMBER:

124315

FACILITY APPROVAL NUMBER:

123070399

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633☐ Other☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:		GROSS WEIGHT:	
100 Morgan Ave/English Mills Ventures, LLC		<input type="checkbox"/> Tons <input type="checkbox"/> Yards	
100 Morgan Avenue		TARE WEIGHT:	
Brooklyn, NY 11210		<input type="checkbox"/> Tons <input type="checkbox"/> Yards	
GENERATOR'S PHONE:		NET WEIGHT:	
281-701-1727		<input type="checkbox"/> Tons <input type="checkbox"/> Yards	
DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION			
Non haz contaminated soil			
GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.			
I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.			
Name: <u>Lucas Alcaraz</u>		Title: <u>Agent</u>	
Signature: <u>[Signature]</u>		Date and Time: <u>4/18/13</u>	
TRANSPORTER			
Company: <u>DI</u>		Phone Number: _____	
Address: <u>NEWARK NJ</u>		Truck # and License Plate: <u>103AN828W</u>	
Driver: <u>Ramiro Nolasco</u>		SW Haulers Permit #: <u>NJ 884</u>	
(Type or Print Clearly)		(applicable state permit #)	
I hereby certify that the above named material was picked up at the site listed above.			
Driver Signature: <u>Ramiro Nolasco</u>		Date and Time: <u>07/18/13</u>	
DESTINATION			
I hereby certify that the above named material was delivered without incident to the facility noted above.			
Driver Signature: <u>Ramiro Nolasco</u>		Date and Time: <u>07/18/13</u>	
I hereby certify that the above named material has been accepted at the above referenced facility.			
Authorized Signature: <u>[Signature]</u>		Date and Time: <u>7/18/13</u>	

GENERATOR

Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: (732) 541-8989 Fax: (732) 541-8185

Vehicle: 3870822-1330

Date: 7/18/2013 Time: 13:14:00 Scale 1
In: 7/18/2013 13:14:00 Scale 1
Out: 7/18/2013 13:14:44 P.T.

Manifest: 660889
Vehicle ID: DFW0312
Customer: PRO TECH, INC

Lbs: 40.71
Gross: 97420
Tare: 26600
Net: 70820

Generators: English Kills Ventures LLC
Gen Address: 5214 16th Avenue - Suite 110
Brooklyn, NY 11219
Facility Approximate: 123072379
Job Name: Morgan Ave/English Kills Vert
Job Address: 280 Morgan Avenue
Brooklyn, NY 11219

Drum
Kings

Materials & Services

Soil Treatment Type II
Contaminants Type: NON-SPECIFIC SURFACE
Treatment Type: BIO

Fac Waste Code: NJ DEP ID 27 DECONTAMINATE/REUSE 2/8/2013

Comment:

Quantity Unit

35.41 Tons

Driver:

Facility:

Lakesh Caplanek



Manifest # 660889

GLOBAL JOB NUMBER: 124319

FACILITY APPROVAL NUMBER: 123070399

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633☐ Other☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT:
Morgan Ave/English Hills Ventures, LLC	<input type="checkbox"/> Tons <input type="checkbox"/> Yards
100 Morgan Avenue	TARE WEIGHT:
Brooklyn, NY 11219	<input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: 201-701-1727	NET WEIGHT:
	<input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non haz contaminated soil

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Angela A. BrissTitle: AgentSignature: [Signature]Date and Time: 9/18/13

TRANSPORTER

Company: C.E. BrissPhone Number: 201-701-1727Address: 100 Morgan AvenueTruck # and License Plate: AL 312CDriver: 777EDIANSW Haulers Permit #:

(Type or Print Clearly)

(applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature]Date and Time: 9/18/13

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [Signature]Date and Time: 9/18/13

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [Signature]Date and Time: 9/18/13

GENERATOR

Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07004
Ph: (732) 541-8039 Fax: (732) 541-8185

Ticket: 33/000284342
Date: 7/10/2013 Time: 13:24:01 Scale: 1
Date: 7/10/2013 Time: 13:26:55 P.T.

Manifest: 6020000
Vehicle ID: A00000054
Customer: PRO HEN, INC

Gross: 93640 Tns
Tare: 59340
Net: 34300 32.15

Generator: English Kills Ventures LL
Gen Address: 5014 16th Avenue - Suite 110
Brooklyn, NY 11219

Facility Approval: 123070359
Job Name: Morgan Ave/English Kills Vent
Job Address: 250 Morgan Avenue
Brooklyn, NY 11219

Origin
Kings

Materials & Services

Quantity Unit

Soil Treatment Type II
Contaminant Type: NON-SPECIFIC SOURCE
Treatment Type: BIO

32.15 Tns

Fac Waste Code: NJ DEP ID 27 DECONTAMINATE/MATERIAL 2/8/2013

Comment:

Driver:

Nelson

Facility:

Address: Baylark



Manifest # 660890

GLOBAL JOB NUMBER:

124319

FACILITY APPROVAL NUMBER:

123070399

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Other

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT:
Morgan Ave/English Hill Ventures, LLC	<input type="checkbox"/> Tons <input type="checkbox"/> Yards
260 Morgan Avenue	TARE WEIGHT:
Arcadia, NY 11319	<input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE:	NET WEIGHT:
201-701-1727	<input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

NON HAZ CONTAMINATED SOIL

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name:

Aaron Abrahamson

Title:

Agent

Signature:

[Signature]

Date and Time:

7-18-13

TRANSPORTER

Company:

AMU / DAVID

Phone Number:

Address:

Truck # and License Plate:

Andrade's AK2013

Driver:

Nelson Andrade

SW Haulers Permit #:

21

(applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature:

Nelson Andrade

Date and Time:

7-18-13

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature:

Nelson Andrade

Date and Time:

7-18-13

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature:

Date and Time:

7/18/13

GENERATOR

Clean Earth of Carberet
24 Riddlesex Avenue
Carberet, NY 07002
Ph: (732) 541-8969 Fax: (732) 541-8105

Ticket: 387000004043
In: 7/18/2013 13:24:58 Scale 1
Out: 08/18/2013 13:28:00 P.T.

Manifest: 668891
Vehicle ID: 0740057

Gross: 63860 Tbs
Tare: 25540
Net: 63320 31.66

Customer: PRO TECH, INC.

Generator: English Mills Ventures LL
Gen Address: 5014 16th Avenue - Suite 110 Job Name: Morgan Ave/English Mills Vent
Brooklyn, NY 11213 Job Address: 2800 Morgan Avenue
Brooklyn, NY 11213

Facility Approval: 123078399

Origin

Materials & Services

Quantity Unit

Kings

Soil Treatment Type II

Contaminant Type: NON-SPECIFIC SOURCE

Treatment Type: BIO

Fac Waste Order: NY DEP ID 27 DENCIPATE/08/18/2013

Comment:

Driver:

Jane

Facility:

Lukas Deglarak



Manifest # 660891

GLOBAL JOB NUMBER:

124315

FACILITY APPROVAL NUMBER:

123070399

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Other

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:		GROSS WEIGHT:	
Morgan Ave/English Hills Ventures, LLC		<input type="checkbox"/> Tons <input type="checkbox"/> Yards	
200 Morgan Avenue		TARE WEIGHT:	
Brooklyn, NY 11219		<input type="checkbox"/> Tons <input type="checkbox"/> Yards	
GENERATOR'S PHONE: 201-791-1737		NET WEIGHT:	
		<input type="checkbox"/> Tons <input type="checkbox"/> Yards	
DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION			
NON HAZ contaminated soil			
GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.			
I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.			
Name: <u>Aaron Aschman</u>		Title: <u>Agent</u>	
Signature: <u>[Signature]</u>		Date and Time: <u>7-18-13</u>	
TRANSPORTER			
Company: <u>C.F. Boo</u>		Phone Number: _____	
Address: _____		Truck # and License Plate: <u>07 AL794W</u>	
Driver: <u>Jose Quintana</u>		SW Haulers Permit #: _____	
(Type or Print Clearly)		(applicable state permit #)	
I hereby certify that the above named material was picked up at the site listed above.			
Driver Signature: <u>Jose Quintana</u>		Date and Time: <u>7-18-13</u>	
DESTINATION			
I hereby certify that the above named material was delivered without incident to the facility noted above.			
Driver Signature: <u>Jose Quintana</u>		Date and Time: <u>7-18-13</u>	
I hereby certify that the above named material has been accepted at the above referenced facility.			
Authorized Signature: <u>[Signature]</u>		Date and Time: <u>7/18/13</u>	

GENERATOR

Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07006
Ph: (732) 541-0909 Fax: (732) 541-0105

Tickets: 3070000204300

Date	Time	Scale
7/18/2013	13:42:25	Scale 1
7/18/2013	13:45:35	P.T.

Manifest: 600052
Vehicle ID: 0700052

Customer: PRO TECH, INC

Generator: English Kills Ventures LL
Gen Address: 5014 15th Avenue - Suite 110
Brooklyn, NY 11219

Facility Approval: 1230700393
Job Name: Morgan Ave/English Kills Vent
Job Address: 2003 Morgan Avenue
Brooklyn, NY 11219

Origin

Materials & Services

Quantity Unit

Kings

Soil Treatment Type II

31.93 Tons

Contaminant Type: NLM SPECIFIC GROUND
Treatment Type: B15

FAC Waste Code: NJ DEP 10 27 DECONTAMINATE/WATERIL 2/0/2013

Comment:

Driver:

Mauricio

Facility:

Ludasz Deglasek



Manifest # 660892

GLOBAL JOB NUMBER:

124315

FACILITY APPROVAL NUMBER:

123078399

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633☐ Other

_____☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: Morgan Ave/English Kids Ventures, LLC 700 Morgan Avenue Brooklyn, NY 11219	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: 201-701-1727	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non haz contaminated soil

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Aaron Abraham

Title: Agent

Signature: [Signature]

Date and Time: 7/18/13

TRANSPORTER

Company: CF BRUSS

Phone Number:

Address: 69 W Second

Truck # and License Plate: AN6564 #9

Driver: 1

SW Haulers Permit #:

(Type or Print Clearly)

(applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: MAURICIO RONSER

Date and Time: 7-18-13

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [Signature]

Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [Signature]

Date and Time: 7/18/13

GENERATOR

Clean Earth of Carteret

24 Middlesex Avenue

Carteret, NJ 07008

Ph: (732) 541-8589 Fax: (732) 541-8185

Manifest# 550093

Vehicle ID# W404083

Customer: PND TECH, INC

Generator: English Kills Ventures LLC

Gen Address: 5014 16th Avenue - Suite 118

Brooklyn, NY 11219

Origin

King

Materials & Services

Soil Treatment Type II

Contaminate Type: NON SPECIFIC SOURCE

Treatment Type: Bio

Fac Waste Code: NJ DEP ID 27 DECONT/ATE/APERIL 2/2/2012

Comments:

Ticket# 35720022/4359

Unit 7210-2013 15:45:00 Scale 1

CRG: 7210-2013 15:47:10 P.T.

Lbs

Tra

43.91

14.25

28.76

Gross: 56090

Tare: 25593

Net: 57580

Facility Approval# 123078399

Job Name: English Kills Vent

Job Address: 200 Morgan Avenue

Brooklyn, NY 11219

Quantity Unit

28.76 Tra

Driver:

Facility:

Lukas Gajlarek



Manifest # 660893

GLOBAL JOB NUMBER:

124315

FACILITY APPROVAL NUMBER:

123070399

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Other

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:		GROSS WEIGHT:
Morgan Ave/English Hills Ventures, LLC		<input type="checkbox"/> Tons <input type="checkbox"/> Yards
200 Morgan Avenue		TARE WEIGHT:
Brooklyn, NY 11219		<input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: 201-701-1727		NET WEIGHT:
		<input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non haz contaminated soil

GENERATOR'S CERTIFICATION -- Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Aaron Abramson

Title: Agent

Signature: [Signature]

Date and Time: 7/18/13

TRANSPORTER

Company: MOWS TRUCKING

Phone Number:

Address: 58 Mowbray Pl. Belleville

Truck # and License Plate: AM2192-03

Driver: Medardo Silva

SW Haulers Permit #:

(Type or Print Clearly)

(applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature]

Date and Time: 7/18/13

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [Signature]

Date and Time: 7/18/13

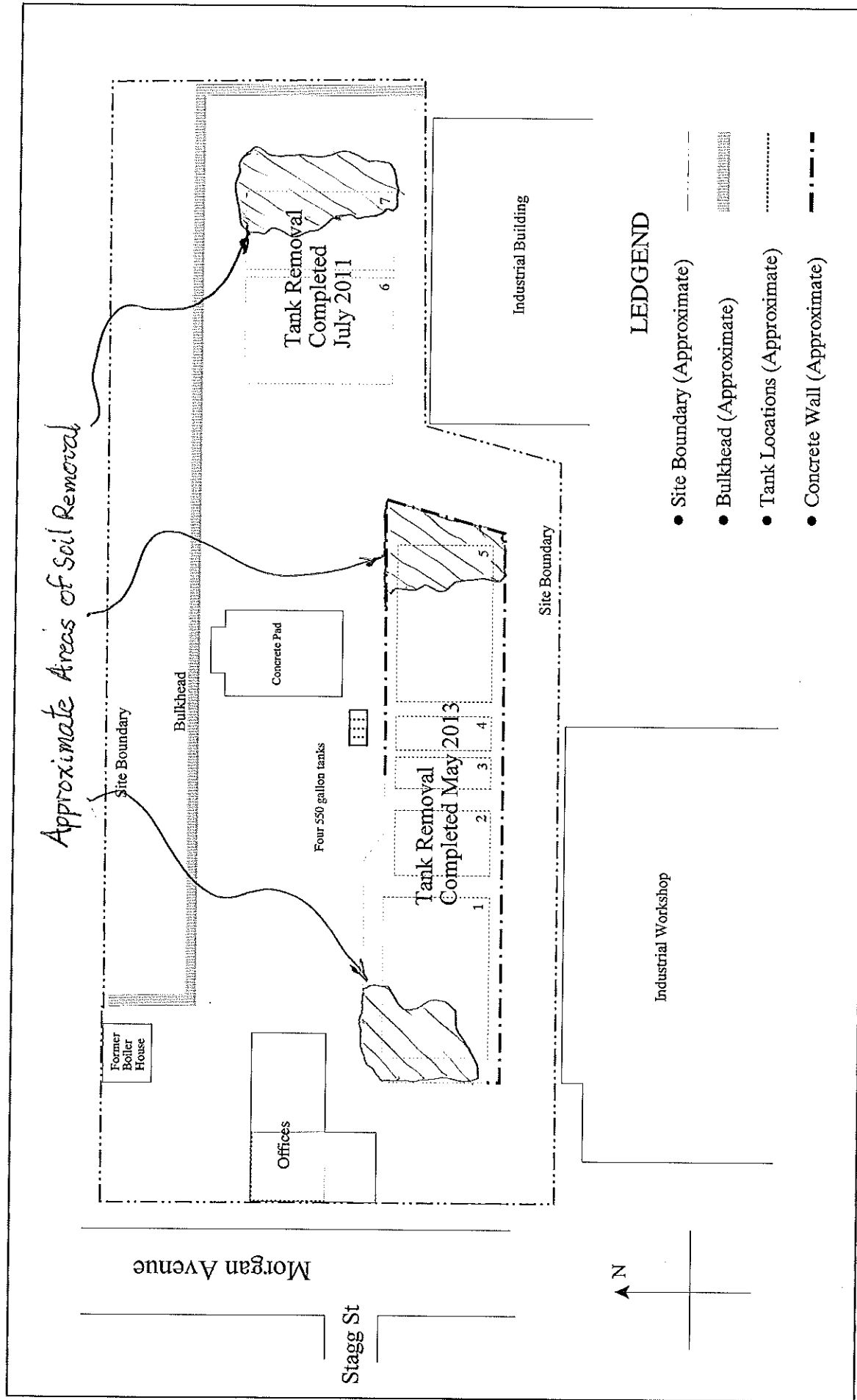
I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [Signature]

Date and Time: 7/18/13

GENERATOR

Tank Removal MAP



GEOQUEST

P.O. Box 85
Bloomfield, CT
Tel: (860) 243-1757
Fax: (860) 243-9414

SITE LOCATION
Morgan Terminal
200 Morgan Avenue
Brooklyn, NY

DATE
May 2013

PROJECT NUMBER
1531

YORK

ANALYTICAL LABORATORIES, INC.

Technical Report

prepared for:

English Kills Ventures
5014 16th Avenue, Suite 110
Brooklyn NY, 11219
Attention: Asher

Report Date: 02/10/2012
Client Project ID: English Kills Ventures
York Project (SDG) No.: 12B0186

CT License No. PH-0723

New Jersey License No. CT-005



New York License No. 10854

PA License No. 68-04440

Report Date: 02/10/2012
Client Project ID: English Kills Ventures
York Project (SDG) No.: 12B0186

English Kills Ventures
5014 16th Avenue, Suite 110
Brooklyn NY, 11219
Attention: Asher

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on February 03, 2012 and listed below. The project was identified as your project: **English Kills Ventures**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the attachment to this report, and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
12B0186-01	COMPOSITE	Soil	02/02/2012	02/03/2012
12B0186-02	DRO #2	Soil	02/02/2012	02/03/2012
12B0186-03	DRO #3	Soil	02/02/2012	02/03/2012
12B0186-04	DRO #3	Soil	02/02/2012	02/03/2012

General Notes for York Project (SDG) No.: 12B0186

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

Approved By:



Date: 02/10/2012

Robert Q. Bradley
Executive Vice President / Laboratory Director

YORK

YORK

ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: COMPOSITE

York Sample ID: 12B0186-01

York Project (SDG) No.
12B0186

Client Project ID
English Kills Ventures

Matrix
Soil

Collection Date/Time
February 2, 2012 3:00 pm

Date Received
02/03/2012

Total Petroleum Hydrocarbons (GRO)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Petroleum Hydrocarbons-GRO	ND		mg/kg dry	0.560	1.12	2	EPA SW846-8015B	02/09/2012 12:58	02/09/2012 12:58	SS

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	1.3	11	2	EPA SW846-8260B	02/08/2012 12:28	02/09/2012 12:58	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.3	11	2	EPA SW846-8260B	02/08/2012 12:28	02/09/2012 12:58	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	1.4	11	2	EPA SW846-8260B	02/08/2012 12:28	02/09/2012 12:58	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	1.5	11	2	EPA SW846-8260B	02/08/2012 12:28	02/09/2012 12:58	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.5	11	2	EPA SW846-8260B	02/08/2012 12:28	02/09/2012 12:58	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.7	11	2	EPA SW846-8260B	02/08/2012 12:28	02/09/2012 12:58	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	3.2	11	2	EPA SW846-8260B	02/08/2012 12:28	02/09/2012 12:58	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	1.0	11	2	EPA SW846-8260B	02/08/2012 12:28	02/09/2012 12:58	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	0.90	22	2	EPA SW846-8260B	02/08/2012 12:28	02/09/2012 12:58	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.8	11	2	EPA SW846-8260B	02/08/2012 12:28	02/09/2012 12:58	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.2	22	2	EPA SW846-8260B	02/08/2012 12:28	02/09/2012 12:58	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	1.3	11	2	EPA SW846-8260B	02/08/2012 12:28	02/09/2012 12:58	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	3.2	22	2	EPA SW846-8260B	02/08/2012 12:28	02/09/2012 12:58	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	1.6	11	2	EPA SW846-8260B	02/08/2012 12:28	02/09/2012 12:58	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.4	11	2	EPA SW846-8260B	02/08/2012 12:28	02/09/2012 12:58	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.6	11	2	EPA SW846-8260B	02/08/2012 12:28	02/09/2012 12:58	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	0.53	11	2	EPA SW846-8260B	02/08/2012 12:28	02/09/2012 12:58	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	0.90	11	2	EPA SW846-8260B	02/08/2012 12:28	02/09/2012 12:58	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.1	11	2	EPA SW846-8260B	02/08/2012 12:28	02/09/2012 12:58	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	1.7	11	2	EPA SW846-8260B	02/08/2012 12:28	02/09/2012 12:58	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.6	11	2	EPA SW846-8260B	02/08/2012 12:28	02/09/2012 12:58	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	76	110	2	EPA SW846-8260B	02/08/2012 12:28	02/09/2012 12:58	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.3	11	2	EPA SW846-8260B	02/08/2012 12:28	02/09/2012 12:58	SS
78-93-3	2-Butanone	ND		ug/kg dry	6.2	22	2	EPA SW846-8260B	02/08/2012 12:28	02/09/2012 12:58	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	1.2	11	2	EPA SW846-8260B	02/08/2012 12:28	02/09/2012 12:58	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	1.2	11	2	EPA SW846-8260B	02/08/2012 12:28	02/09/2012 12:58	SS
67-64-1	Acetone	ND		ug/kg dry	7.5	22	2	EPA SW846-8260B	02/08/2012 12:28	02/09/2012 12:58	SS
71-43-2	Benzene	ND		ug/kg dry	1.2	11	2	EPA SW846-8260B	02/08/2012 12:28	02/09/2012 12:58	SS
108-86-1	Bromobenzene	ND		ug/kg dry	1.5	11	2	EPA SW846-8260B	02/08/2012 12:28	02/09/2012 12:58	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	3.1	11	2	EPA SW846-8260B	02/08/2012 12:28	02/09/2012 12:58	SS

YORK

ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: COMPOSITE

York Sample ID: 12B0186-01

York Project (SDG) No.

12B0186

Client Project ID

English Kills Ventures

Matrix

Soil

Collection Date/Time

February 2, 2012 3:00 pm

Date Received

02/03/2012

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.5	11	2	EPA SW846-8260B	02/08/2012 12:28	02/09/2012 12:58	SS
75-25-2	Bromoform	ND		ug/kg dry	1.4	11	2	EPA SW846-8260B	02/08/2012 12:28	02/09/2012 12:58	SS
74-83-9	Bromomethane	ND		ug/kg dry	3.0	11	2	EPA SW846-8260B	02/08/2012 12:28	02/09/2012 12:58	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.5	11	2	EPA SW846-8260B	02/08/2012 12:28	02/09/2012 12:58	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	0.85	11	2	EPA SW846-8260B	02/08/2012 12:28	02/09/2012 12:58	SS
75-00-3	Chloroethane	ND		ug/kg dry	1.8	11	2	EPA SW846-8260B	02/08/2012 12:28	02/09/2012 12:58	SS
67-66-3	Chloroform	ND		ug/kg dry	0.87	11	2	EPA SW846-8260B	02/08/2012 12:28	02/09/2012 12:58	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.2	11	2	EPA SW846-8260B	02/08/2012 12:28	02/09/2012 12:58	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.3	11	2	EPA SW846-8260B	02/08/2012 12:28	02/09/2012 12:58	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	0.85	11	2	EPA SW846-8260B	02/08/2012 12:28	02/09/2012 12:58	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.6	11	2	EPA SW846-8260B	02/08/2012 12:28	02/09/2012 12:58	SS
74-95-3	Dibromomethane	ND		ug/kg dry	3.2	11	2	EPA SW846-8260B	02/08/2012 12:28	02/09/2012 12:58	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.0	11	2	EPA SW846-8260B	02/08/2012 12:28	02/09/2012 12:58	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	0.85	11	2	EPA SW846-8260B	02/08/2012 12:28	02/09/2012 12:58	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1.0	11	2	EPA SW846-8260B	02/08/2012 12:28	02/09/2012 12:58	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	0.94	11	2	EPA SW846-8260B	02/08/2012 12:28	02/09/2012 12:58	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	0.92	11	2	EPA SW846-8260B	02/08/2012 12:28	02/09/2012 12:58	SS
75-09-2	Methylene chloride	11	I, B	ug/kg dry	2.6	22	2	EPA SW846-8260B	02/08/2012 12:28	02/09/2012 12:58	SS
91-20-3	Naphthalene	ND		ug/kg dry	1.2	22	2	EPA SW846-8260B	02/08/2012 12:28	02/09/2012 12:58	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	0.77	11	2	EPA SW846-8260B	02/08/2012 12:28	02/09/2012 12:58	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	1.4	11	2	EPA SW846-8260B	02/08/2012 12:28	02/09/2012 12:58	SS
95-47-6	o-Xylene	ND		ug/kg dry	1.2	11	2	EPA SW846-8260B	02/08/2012 12:28	02/09/2012 12:58	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/kg dry	1.3	22	2	EPA SW846-8260B	02/08/2012 12:28	02/09/2012 12:58	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	0.61	11	2	EPA SW846-8260B	02/08/2012 12:28	02/09/2012 12:58	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	1.3	11	2	EPA SW846-8260B	02/08/2012 12:28	02/09/2012 12:58	SS
100-42-5	Styrene	ND		ug/kg dry	1.0	11	2	EPA SW846-8260B	02/08/2012 12:28	02/09/2012 12:58	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	1.1	11	2	EPA SW846-8260B	02/08/2012 12:28	02/09/2012 12:58	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	1.3	11	2	EPA SW846-8260B	02/08/2012 12:28	02/09/2012 12:58	SS
108-88-3	Toluene	ND		ug/kg dry	0.56	11	2	EPA SW846-8260B	02/08/2012 12:28	02/09/2012 12:58	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.6	11	2	EPA SW846-8260B	02/08/2012 12:28	02/09/2012 12:58	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.6	11	2	EPA SW846-8260B	02/08/2012 12:28	02/09/2012 12:58	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	1.4	11	2	EPA SW846-8260B	02/08/2012 12:28	02/09/2012 12:58	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.2	11	2	EPA SW846-8260B	02/08/2012 12:28	02/09/2012 12:58	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.3	11	2	EPA SW846-8260B	02/08/2012 12:28	02/09/2012 12:58	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	2.5	34	2	EPA SW846-8260B	02/08/2012 12:28	02/09/2012 12:58	SS

YORK

ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: COMPOSITE

York Sample ID: 12B0186-01

York Project (SDG) No.

12B0186

Client Project ID

English Kills Ventures

Matrix

Soil

Collection Date/Time

February 2, 2012 3:00 pm

Date Received

02/03/2012

Semi-Volatiles, PAH Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	108	187	1	EPA SW-846 8270C	02/07/2012 15:35	02/09/2012 17:52	TD
208-96-8	Acenaphthylene	ND		ug/kg dry	52.3	187	1	EPA SW-846 8270C	02/07/2012 15:35	02/09/2012 17:52	TD
120-12-7	Anthracene	288		ug/kg dry	46.3	187	1	EPA SW-846 8270C	02/07/2012 15:35	02/09/2012 17:52	TD
56-55-3	Benzo(a)anthracene	623		ug/kg dry	72.2	187	1	EPA SW-846 8270C	02/07/2012 15:35	02/09/2012 17:52	TD
50-32-8	Benzo(a)pyrene	722		ug/kg dry	48.7	187	1	EPA SW-846 8270C	02/07/2012 15:35	02/09/2012 17:52	TD
205-99-2	Benzo(b)fluoranthene	1150		ug/kg dry	71.1	187	1	EPA SW-846 8270C	02/07/2012 15:35	02/09/2012 17:52	TD
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	56.1	187	1	EPA SW-846 8270C	02/07/2012 15:35	02/09/2012 17:52	TD
207-08-9	Benzo(k)fluoranthene	784		ug/kg dry	72.3	187	1	EPA SW-846 8270C	02/07/2012 15:35	02/09/2012 17:52	TD
218-01-9	Chrysene	578		ug/kg dry	75.3	187	1	EPA SW-846 8270C	02/07/2012 15:35	02/09/2012 17:52	TD
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	47.2	187	1	EPA SW-846 8270C	02/07/2012 15:35	02/09/2012 17:52	TD
206-44-0	Fluoranthene	1770		ug/kg dry	108	187	1	EPA SW-846 8270C	02/07/2012 15:35	02/09/2012 17:52	TD
86-73-7	Fluorene	84.4		ug/kg dry	52.3	187	1	EPA SW-846 8270C	02/07/2012 15:35	02/09/2012 17:52	TD
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	68.9	187	1	EPA SW-846 8270C	02/07/2012 15:35	02/09/2012 17:52	TD
91-20-3	Naphthalene	ND		ug/kg dry	55.8	187	1	EPA SW-846 8270C	02/07/2012 15:35	02/09/2012 17:52	TD
85-01-8	Phenanthrene	1170		ug/kg dry	68.9	187	1	EPA SW-846 8270C	02/07/2012 15:35	02/09/2012 17:52	TD
129-00-0	Pyrene	1610		ug/kg dry	67.0	187	1	EPA SW-846 8270C	02/07/2012 15:35	02/09/2012 17:52	TD

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.00885	0.0190	1	EPA SW 846-8082	02/08/2012 07:28	02/08/2012 19:32	JW
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.00885	0.0190	1	EPA SW 846-8082	02/08/2012 07:28	02/08/2012 19:32	JW
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.00885	0.0190	1	EPA SW 846-8082	02/08/2012 07:28	02/08/2012 19:32	JW
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.00885	0.0190	1	EPA SW 846-8082	02/08/2012 07:28	02/08/2012 19:32	JW
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.00885	0.0190	1	EPA SW 846-8082	02/08/2012 07:28	02/08/2012 19:32	JW
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.00762	0.0190	1	EPA SW 846-8082	02/08/2012 07:28	02/08/2012 19:32	JW
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.00762	0.0190	1	EPA SW 846-8082	02/08/2012 07:28	02/08/2012 19:32	JW
37324-23-5	Aroclor 1262	ND		mg/kg dry	0.00762	0.0190	1	EPA SW 846-8082	02/08/2012 07:28	02/08/2012 19:32	JW
11100-14-4	Aroclor 1268	ND		mg/kg dry	0.00762	0.0190	1	EPA SW 846-8082	02/08/2012 07:28	02/08/2012 19:32	JW
1336-36-3	Total PCBs	ND		mg/kg dry	0.00762	0.0190	1	EPA SW 846-8082	02/08/2012 07:28	02/08/2012 19:32	JW

YORK

ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: COMPOSITE

York Sample ID: 12B0186-01

York Project (SDG) No.
12B0186

Client Project ID
English Kills Ventures

Matrix
Soil

Collection Date/Time
February 2, 2012 3:00 pm

Date Received
02/03/2012

Total Petroleum Hydrocarbons-DRO

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Petroleum Hydrocarbons-DRO	71.9		mg/kg dry	6.50	11.2	1	EPA SW846-8015B	02/07/2012 15:39	02/08/2012 16:50	JW

Antimony by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	1.48		mg/kg dry	0.157	0.560	1	EPA SW846-6010B	02/06/2012 15:59	02/07/2012 07:45	MW

Arsenic by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	12.7	13	mg/kg dry	0.213	1.12	1	EPA SW846-6010B	02/06/2012 15:59	02/07/2012 07:45	MW

Barium by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-39-3	Barium	216	350	mg/kg dry	0.269	0.560	1	EPA SW846-6010B	02/06/2012 15:59	02/07/2012 07:45	MW

Beryllium by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-41-7	Beryllium	ND	7.2	mg/kg dry	0.00896	0.112	1	EPA SW846-6010B	02/06/2012 15:59	02/07/2012 07:45	MW

Cadmium by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-43-9	Cadmium	ND	2.5	mg/kg dry	0.146	0.560	1	EPA SW846-6010B	02/06/2012 15:59	02/07/2012 07:45	MW

Copper by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-50-8	Copper	322	50	mg/kg dry	0.157	0.560	1	EPA SW846-6010B	02/06/2012 15:59	02/07/2012 07:45	MW

Lead by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	342	63	mg/kg dry	0.112	0.336	1	EPA SW846-6010B	02/06/2012 15:59	02/07/2012 07:45	MW

Metals, TCLP RCRA

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND	13	mg/L	0.001	0.010	1	EPA SW846-6010B/1311	02/07/2012 10:18	02/07/2012 13:06	MW

YORK

ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: COMPOSITE

York Sample ID: 12B0186-01

York Project (SDG) No.

12B0186

Client Project ID

English Kills Ventures

Matrix

Soil

Collection Date/Time

February 2, 2012 3:00 pm

Date Received

02/03/2012

Metals, TCLP RCRA

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-39-3	Barium	1.75		mg/L	0.004	0.010	1	EPA SW846-6010B/1311	02/07/2012 10:18	02/07/2012 13:06	MW
7440-43-9	Cadmium	0.009		mg/L	0.001	0.003	1	EPA SW846-6010B/1311	02/07/2012 10:18	02/07/2012 13:06	MW
7440-47-3	Chromium	ND		mg/L	0.0009	0.005	1	EPA SW846-6010B/1311	02/07/2012 10:18	02/07/2012 13:06	MW
7439-92-1	Lead	0.271		mg/L	0.001	0.003	1	EPA SW846-6010B/1311	02/07/2012 10:18	02/07/2012 13:06	MW
7782-49-2	Selenium	ND		mg/L	0.002	0.010	1	EPA SW846-6010B/1311	02/07/2012 10:18	02/07/2012 13:06	MW
7440-22-4	Silver	ND		mg/L	0.001	0.005	1	EPA SW846-6010B/1311	02/07/2012 10:18	02/07/2012 13:06	MW

Nickel by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	Nickel	21.3	30	mg/kg dry	0.0784	0.560	1	EPA SW846-6010B	02/06/2012 15:59	02/07/2012 07:45	MW

Thallium by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-28-0	Thallium	ND		mg/kg dry	0.213	0.560	1	EPA SW846-6010B	02/06/2012 15:59	02/07/2012 07:45	MW

Zinc by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	Zinc	353	109	mg/kg dry	0.0784	0.560	1	EPA SW846-6010B	02/06/2012 15:59	02/07/2012 07:45	MW

Mercury, TCLP

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7470

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0000390	0.000200	1	EPA SW846-7470/1311	02/07/2012 14:56	02/07/2012 14:56	AA

Paint Filter Test

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Paint Filter Test	No Free Liq. Present		See NOTE			1	EPA SW846-9095A	02/07/2012 14:41	02/07/2012 14:41	AA

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	% Solids	89.3		%	0.100	0.100	1	SM 2540G	02/09/2012 14:58	02/09/2012 14:58	JCC

Ab - DRO #1 = Composite = 71.9 (page 6)

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: DRO #2

York Sample ID: 12B0186-02

York Project (SDG) No.
12B0186

Client Project ID
English Kills Ventures

Matrix
Soil

Collection Date/Time
February 2, 2012 3:00 pm

Date Received
02/03/2012

Total Petroleum Hydrocarbons-DRO

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Petroleum Hydrocarbons-DRO	219		mg/kg dry	6.50	11.2	1	EPA SW846-8015B	02/07/2012 15:39	02/08/2012 16:50	JW

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	% Solids	89.3		%	0.100	0.100	1	SM 2540G	02/09/2012 14:58	02/09/2012 14:58	JCC

Sample Information

Client Sample ID: DRO #3

York Sample ID: 12B0186-03

York Project (SDG) No.
12B0186

Client Project ID
English Kills Ventures

Matrix
Soil

Collection Date/Time
February 2, 2012 3:00 pm

Date Received
02/03/2012

Total Petroleum Hydrocarbons-DRO

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Petroleum Hydrocarbons-DRO	68.7		mg/kg dry	6.50	11.2	1	EPA SW846-8015B	02/07/2012 15:39	02/08/2012 16:50	JW

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	% Solids	89.3		%	0.100	0.100	1	SM 2540G	02/09/2012 14:58	02/09/2012 14:58	JCC

Sample Information

Client Sample ID: DRO #3

York Sample ID: 1015 9186-04

York Project (SDG) No.
12B0186

Client Project ID
English Kills Ventures

Matrix
Soil

Collection Date/Time
February 5-20-13

Date Received
2/2012

Total Solids

Log-in Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	% Solids	89.5		%	0.100	0.100	1	SM 2540G			AA

Notes and Definitions

WCPFLTN No Free Liq. Present

- J** Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL); therefore, the result is an estimated concentration.
- B** Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants. Data users should consider anything <10x the blank value as artifact.

-
- ND** Analyte NOT DETECTED at the stated Reporting Limit (RL) or above.
- RL** REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
- MDL** METHOD DETECTION LIMIT - the minimum concentration that can be measured and reported with a 99% confidence that the concentration is greater than zero. If requested or required, a value reported below the RL and above the MDL is considered estimated and is noted with a "J" flag.
- NR** Not reported
- RPD** Relative Percent Difference
- Wet** The data has been reported on an as-received (wet weight) basis
- Low Bias** Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
- High Bias** High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
- Non-Dir.** Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

Corrective Action: Client submitted sample in plastic Bag - JG 02/06/2012

12 B 0186



19 Kirkland Drive Greenlawn, New York 11740 800-UST-SOIL 516-908-7984 fax

Analytical Requirements for Recycling in New Jersey

Analysis	Method	Frequency
TPH	8015	One every 100 cubic yards
VOC	8260	One every 800 cubic yards
Total Metals <i>Arsenic, Antimony, Barium, Beryllium, Cadmium, Copper, Lead, Nickel, Thallium, Zinc</i>	6010	One every 800 cubic yards
TCI.P Metals <i>Arsenic, Barium, Cadmium, Chromium, Lead, Mercury, Selenium, Silver</i>	1311/6010	One per Site
Paint Filter	9095	One per Site
PCB's	8082	One per Site
PCB's	8082	One every 800 cubic yards
PAH's	8270	One every 800 cubic yards

From: Richard August [Raugust@yorklab.com]
Sent: Friday, February 03, 2012 12:09 PM
To: 'Login @ York'; 'Phil Murphy'
Subject: FW: lab coc

Attachments: ss proto.pdf; FAX_20120203_1328288614_5.pdf; ATT00029.txt



ss proto.pdf (27 KB) FAX_20120203_1328288614_5.pdf ... (343 KB) ATT00029.txt (B)

For the sample coming today with our driver...

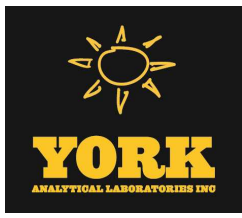
Richard August
Director, Client Services
York Analytical Laboratories, Inc.
120 Research Drive
Stratford CT 06615
203-325-1371 (lab)
203-598-9829 (mobile)

-----Original Message-----

From: Rich Rivkin [mailto:rich@SoilDisposal.com]
Sent: Friday, February 03, 2012 12:06 PM
To: ekvllc@gmail.com
Cc: Richard August
Subject: lab coc

hi asher - sorry for the delay. heres that completed chain of custody, along with a narrative page as well. can you pls give both to the lab

thx
rich



Technical Report

prepared for:

GeoQuest Inc
3 Barnard Lane
Bloomfield CT, 06002
Attention: Bill Hughes

Report Date: 06/12/2013
Client Project ID: 1531
York Project (SDG) No.: 13F0108

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 06/12/2013
Client Project ID: 1531
York Project (SDG) No.: 13F0108

GeoQuest Inc
3 Barnard Lane
Bloomfield CT, 06002
Attention: Bill Hughes

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on June 04, 2013 and listed below. The project was identified as your project: **1531**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the attachment to this report, and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
13F0108-01	Composite	Soil	06/03/2013	06/04/2013

General Notes for York Project (SDG) No.: 13F0108

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

Approved By:



Benjamin Gulizia
Laboratory Director

Date: 06/12/2013

YORK



Sample Information

Client Sample ID: Composite

York Sample ID: 13F0108-01

York Project (SDG) No.

13F0108

Client Project ID

1531

Matrix

Soil

Collection Date/Time

June 3, 2013 3:00 pm

Date Received

06/04/2013

Volatile Organics, NJDEP/TCL List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.8	5.5	1	EPA SW846-8260B	06/06/2013 11:45	06/06/2013 13:05	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.8	5.5	1	EPA SW846-8260B	06/06/2013 11:45	06/06/2013 13:05	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.8	5.5	1	EPA SW846-8260B	06/06/2013 11:45	06/06/2013 13:05	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.8	5.5	1	EPA SW846-8260B	06/06/2013 11:45	06/06/2013 13:05	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.8	5.5	1	EPA SW846-8260B	06/06/2013 11:45	06/06/2013 13:05	BK
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.8	5.5	1	EPA SW846-8260B	06/06/2013 11:45	06/06/2013 13:05	BK
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.8	5.5	1	EPA SW846-8260B	06/06/2013 11:45	06/06/2013 13:05	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.8	5.5	1	EPA SW846-8260B	06/06/2013 11:45	06/06/2013 13:05	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.8	5.5	1	EPA SW846-8260B	06/06/2013 11:45	06/06/2013 13:05	BK
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.8	5.5	1	EPA SW846-8260B	06/06/2013 11:45	06/06/2013 13:05	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.8	5.5	1	EPA SW846-8260B	06/06/2013 11:45	06/06/2013 13:05	BK
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.8	5.5	1	EPA SW846-8260B	06/06/2013 11:45	06/06/2013 13:05	BK
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.8	5.5	1	EPA SW846-8260B	06/06/2013 11:45	06/06/2013 13:05	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.8	5.5	1	EPA SW846-8260B	06/06/2013 11:45	06/06/2013 13:05	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.8	5.5	1	EPA SW846-8260B	06/06/2013 11:45	06/06/2013 13:05	BK
78-93-3	2-Butanone	ND		ug/kg dry	2.8	5.5	1	EPA SW846-8260B	06/06/2013 11:45	06/06/2013 13:05	BK
591-78-6	2-Hexanone	ND		ug/kg dry	2.8	5.5	1	EPA SW846-8260B	06/06/2013 11:45	06/06/2013 13:05	BK
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.8	5.5	1	EPA SW846-8260B	06/06/2013 11:45	06/06/2013 13:05	BK
67-64-1	Acetone	12	B	ug/kg dry	2.8	11	1	EPA SW846-8260B	06/06/2013 11:45	06/06/2013 13:05	BK
107-02-8	Acrolein	ND		ug/kg dry	2.8	11	1	EPA SW846-8260B	06/06/2013 11:45	06/06/2013 13:05	BK
107-13-1	Acrylonitrile	ND		ug/kg dry	2.8	5.5	1	EPA SW846-8260B	06/06/2013 11:45	06/06/2013 13:05	BK
71-43-2	Benzene	ND		ug/kg dry	2.8	5.5	1	EPA SW846-8260B	06/06/2013 11:45	06/06/2013 13:05	BK
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.8	5.5	1	EPA SW846-8260B	06/06/2013 11:45	06/06/2013 13:05	BK
75-25-2	Bromoform	ND		ug/kg dry	2.8	5.5	1	EPA SW846-8260B	06/06/2013 11:45	06/06/2013 13:05	BK
74-83-9	Bromomethane	ND		ug/kg dry	2.8	5.5	1	EPA SW846-8260B	06/06/2013 11:45	06/06/2013 13:05	BK
75-15-0	Carbon disulfide	ND		ug/kg dry	2.8	5.5	1	EPA SW846-8260B	06/06/2013 11:45	06/06/2013 13:05	BK
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.8	5.5	1	EPA SW846-8260B	06/06/2013 11:45	06/06/2013 13:05	BK
108-90-7	Chlorobenzene	ND		ug/kg dry	2.8	5.5	1	EPA SW846-8260B	06/06/2013 11:45	06/06/2013 13:05	BK
75-00-3	Chloroethane	ND		ug/kg dry	2.8	5.5	1	EPA SW846-8260B	06/06/2013 11:45	06/06/2013 13:05	BK
67-66-3	Chloroform	ND		ug/kg dry	2.8	5.5	1	EPA SW846-8260B	06/06/2013 11:45	06/06/2013 13:05	BK
74-87-3	Chloromethane	ND		ug/kg dry	2.8	5.5	1	EPA SW846-8260B	06/06/2013 11:45	06/06/2013 13:05	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.8	5.5	1	EPA SW846-8260B	06/06/2013 11:45	06/06/2013 13:05	BK



Sample Information

Client Sample ID: Composite

York Sample ID: 13F0108-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

13F0108

1531

Soil

June 3, 2013 3:00 pm

06/04/2013

Volatile Organics, NJDEP/TCL List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.8	5.5	1	EPA SW846-8260B	06/06/2013 11:45	06/06/2013 13:05	BK
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.8	5.5	1	EPA SW846-8260B	06/06/2013 11:45	06/06/2013 13:05	BK
74-95-3	Dibromomethane	ND		ug/kg dry	2.8	5.5	1	EPA SW846-8260B	06/06/2013 11:45	06/06/2013 13:05	BK
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.8	5.5	1	EPA SW846-8260B	06/06/2013 11:45	06/06/2013 13:05	BK
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.8	5.5	1	EPA SW846-8260B	06/06/2013 11:45	06/06/2013 13:05	BK
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.8	5.5	1	EPA SW846-8260B	06/06/2013 11:45	06/06/2013 13:05	BK
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.8	5.5	1	EPA SW846-8260B	06/06/2013 11:45	06/06/2013 13:05	BK
79-20-9	Methyl acetate	ND		ug/kg dry	2.8	5.5	1	EPA SW846-8260B	06/06/2013 11:45	06/06/2013 13:05	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.8	5.5	1	EPA SW846-8260B	06/06/2013 11:45	06/06/2013 13:05	BK
75-09-2	Methylene chloride	11		ug/kg dry	2.8	11	1	EPA SW846-8260B	06/06/2013 11:45	06/06/2013 13:05	BK
95-47-6	o-Xylene	ND		ug/kg dry	2.8	5.5	1	EPA SW846-8260B	06/06/2013 11:45	06/06/2013 13:05	BK
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.5	11	1	EPA SW846-8260B	06/06/2013 11:45	06/06/2013 13:05	BK
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.8	5.5	1	EPA SW846-8260B	06/06/2013 11:45	06/06/2013 13:05	BK
100-42-5	Styrene	ND		ug/kg dry	2.8	5.5	1	EPA SW846-8260B	06/06/2013 11:45	06/06/2013 13:05	BK
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.8	5.5	1	EPA SW846-8260B	06/06/2013 11:45	06/06/2013 13:05	BK
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.8	5.5	1	EPA SW846-8260B	06/06/2013 11:45	06/06/2013 13:05	BK
108-88-3	Toluene	ND		ug/kg dry	2.8	5.5	1	EPA SW846-8260B	06/06/2013 11:45	06/06/2013 13:05	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.8	5.5	1	EPA SW846-8260B	06/06/2013 11:45	06/06/2013 13:05	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.8	5.5	1	EPA SW846-8260B	06/06/2013 11:45	06/06/2013 13:05	BK
79-01-6	Trichloroethylene	ND		ug/kg dry	2.8	5.5	1	EPA SW846-8260B	06/06/2013 11:45	06/06/2013 13:05	BK
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.8	5.5	1	EPA SW846-8260B	06/06/2013 11:45	06/06/2013 13:05	BK
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.8	5.5	1	EPA SW846-8260B	06/06/2013 11:45	06/06/2013 13:05	BK
1330-20-7	Xylenes, Total	ND		ug/kg dry	8.3	17	1	EPA SW846-8260B	06/06/2013 11:45	06/06/2013 13:05	BK



Sample Information

Client Sample ID: Composite

York Sample ID: 13F0108-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

13F0108

1531

Soil

June 3, 2013 3:00 pm

06/04/2013

Volatile Organics, Tentatively Identified Cmpds.

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Tentatively Identified Compounds	0.0		ug/kg dry			1	EPA SW846-8260B	06/06/2013 08:41	06/06/2013 13:05	BK

Semi-Volatiles, NJDEP/TCL List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1'-Biphenyl	ND		ug/kg dry	680	1390	5	EPA SW-846 8270C	06/05/2013 14:28	06/06/2013 11:03	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	504	1390	5	EPA SW-846 8270C	06/05/2013 14:28	06/06/2013 11:03	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	910	1390	5	EPA SW-846 8270C	06/05/2013 14:28	06/06/2013 11:03	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	276	1390	5	EPA SW-846 8270C	06/05/2013 14:28	06/06/2013 11:03	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	440	1390	5	EPA SW-846 8270C	06/05/2013 14:28	06/06/2013 11:03	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	857	1390	5	EPA SW-846 8270C	06/05/2013 14:28	06/06/2013 11:03	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	1080	1390	5	EPA SW-846 8270C	06/05/2013 14:28	06/06/2013 11:03	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	707	1390	5	EPA SW-846 8270C	06/05/2013 14:28	06/06/2013 11:03	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	1140	1390	5	EPA SW-846 8270C	06/05/2013 14:28	06/06/2013 11:03	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	974	1390	5	EPA SW-846 8270C	06/05/2013 14:28	06/06/2013 11:03	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	1170	2780	5	EPA SW-846 8270C	06/05/2013 14:28	06/06/2013 11:03	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	615	1390	5	EPA SW-846 8270C	06/05/2013 14:28	06/06/2013 11:03	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	715	1390	5	EPA SW-846 8270C	06/05/2013 14:28	06/06/2013 11:03	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	751	1390	5	EPA SW-846 8270C	06/05/2013 14:28	06/06/2013 11:03	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	459	1390	5	EPA SW-846 8270C	06/05/2013 14:28	06/06/2013 11:03	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	1070	1390	5	EPA SW-846 8270C	06/05/2013 14:28	06/06/2013 11:03	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	529	1390	5	EPA SW-846 8270C	06/05/2013 14:28	06/06/2013 11:03	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	1210	1390	5	EPA SW-846 8270C	06/05/2013 14:28	06/06/2013 11:03	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	378	1390	5	EPA SW-846 8270C	06/05/2013 14:28	06/06/2013 11:03	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	604	1390	5	EPA SW-846 8270C	06/05/2013 14:28	06/06/2013 11:03	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	729	1390	5	EPA SW-846 8270C	06/05/2013 14:28	06/06/2013 11:03	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	1380	1390	5	EPA SW-846 8270C	06/05/2013 14:28	06/06/2013 11:03	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	1750	2780	5	EPA SW-846 8270C	06/05/2013 14:28	06/06/2013 11:03	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	670	1390	5	EPA SW-846 8270C	06/05/2013 14:28	06/06/2013 11:03	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	815	1390	5	EPA SW-846 8270C	06/05/2013 14:28	06/06/2013 11:03	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	576	1390	5	EPA SW-846 8270C	06/05/2013 14:28	06/06/2013 11:03	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	523	1390	5	EPA SW-846 8270C	06/05/2013 14:28	06/06/2013 11:03	SR
83-32-9	Acenaphthene	ND		ug/kg dry	504	1390	5	EPA SW-846 8270C	06/05/2013 14:28	06/06/2013 11:03	SR



Sample Information

Client Sample ID: Composite

York Sample ID: 13F0108-01

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
13F0108	1531	Soil	June 3, 2013 3:00 pm	06/04/2013

Semi-Volatiles, NJDEP/TCL List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
208-96-8	Acenaphthylene	ND		ug/kg dry	668	1390	5	EPA SW-846 8270C	06/05/2013 14:28	06/06/2013 11:03	SR
98-86-2	Acetophenone	ND		ug/kg dry	557	1390	5	EPA SW-846 8270C	06/05/2013 14:28	06/06/2013 11:03	SR
120-12-7	Anthracene	ND		ug/kg dry	760	1390	5	EPA SW-846 8270C	06/05/2013 14:28	06/06/2013 11:03	SR
1912-24-9	Atrazine	ND		ug/kg dry	747	1390	5	EPA SW-846 8270C	06/05/2013 14:28	06/06/2013 11:03	SR
100-52-7	Benzaldehyde	ND		ug/kg dry	1100	2780	5	EPA SW-846 8270C	06/05/2013 14:28	06/06/2013 11:03	SR
92-87-5	Benzo(a)anthracene	ND		ug/kg dry	250	1390	5	EPA SW-846 8270C	06/05/2013 14:28	06/06/2013 11:03	SR
56-55-3	Benzo(a)anthracene	1380	J	ug/kg dry	520	1390	5	EPA SW-846 8270C	06/05/2013 14:28	06/06/2013 11:03	SR
50-32-8	Benzo(a)pyrene	1020	J	ug/kg dry	551	1390	5	EPA SW-846 8270C	06/05/2013 14:28	06/06/2013 11:03	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	1170	1390	5	EPA SW-846 8270C	06/05/2013 14:28	06/06/2013 11:03	SR
191-24-2	Benzo(g,h,i)perylene	715	J	ug/kg dry	462	1390	5	EPA SW-846 8270C	06/05/2013 14:28	06/06/2013 11:03	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	1390	1390	5	EPA SW-846 8270C	06/05/2013 14:28	06/06/2013 11:03	SR
65-85-0	Benzoic acid	ND		ug/kg dry	951	2780	5	EPA SW-846 8270C	06/05/2013 14:28	06/06/2013 11:03	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	768	1390	5	EPA SW-846 8270C	06/05/2013 14:28	06/06/2013 11:03	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	479	1390	5	EPA SW-846 8270C	06/05/2013 14:28	06/06/2013 11:03	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	709	1390	5	EPA SW-846 8270C	06/05/2013 14:28	06/06/2013 11:03	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	490	1390	5	EPA SW-846 8270C	06/05/2013 14:28	06/06/2013 11:03	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	960	1390	5	EPA SW-846 8270C	06/05/2013 14:28	06/06/2013 11:03	SR
105-60-2	Caprolactam	ND		ug/kg dry	461	1390	5	EPA SW-846 8270C	06/05/2013 14:28	06/06/2013 11:03	SR
86-74-8	Carbazole	ND		ug/kg dry	963	1390	5	EPA SW-846 8270C	06/05/2013 14:28	06/06/2013 11:03	SR
218-01-9	Chrysene	1510		ug/kg dry	640	1390	5	EPA SW-846 8270C	06/05/2013 14:28	06/06/2013 11:03	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	559	1390	5	EPA SW-846 8270C	06/05/2013 14:28	06/06/2013 11:03	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	648	1390	5	EPA SW-846 8270C	06/05/2013 14:28	06/06/2013 11:03	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	874	1390	5	EPA SW-846 8270C	06/05/2013 14:28	06/06/2013 11:03	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	620	1390	5	EPA SW-846 8270C	06/05/2013 14:28	06/06/2013 11:03	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	565	1390	5	EPA SW-846 8270C	06/05/2013 14:28	06/06/2013 11:03	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	1390	1390	5	EPA SW-846 8270C	06/05/2013 14:28	06/06/2013 11:03	SR
206-44-0	Fluoranthene	2090		ug/kg dry	815	1390	5	EPA SW-846 8270C	06/05/2013 14:28	06/06/2013 11:03	SR
86-73-7	Fluorene	ND		ug/kg dry	668	1390	5	EPA SW-846 8270C	06/05/2013 14:28	06/06/2013 11:03	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	821	1390	5	EPA SW-846 8270C	06/05/2013 14:28	06/06/2013 11:03	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	470	1390	5	EPA SW-846 8270C	06/05/2013 14:28	06/06/2013 11:03	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	1030	1390	5	EPA SW-846 8270C	06/05/2013 14:28	06/06/2013 11:03	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	398	1390	5	EPA SW-846 8270C	06/05/2013 14:28	06/06/2013 11:03	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	634	1390	5	EPA SW-846 8270C	06/05/2013 14:28	06/06/2013 11:03	SR



Sample Information

Client Sample ID: Composite

York Sample ID: 13F0108-01

York Project (SDG) No.

13F0108

Client Project ID

1531

Matrix

Soil

Collection Date/Time

June 3, 2013 3:00 pm

Date Received

06/04/2013

Semi-Volatiles, NJDEP/TCL List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
78-59-1	Isophorone	ND		ug/kg dry	479	1390	5	EPA SW-846 8270C	06/05/2013 14:28	06/06/2013 11:03	SR
91-20-3	Naphthalene	ND		ug/kg dry	342	1390	5	EPA SW-846 8270C	06/05/2013 14:28	06/06/2013 11:03	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	409	1390	5	EPA SW-846 8270C	06/05/2013 14:28	06/06/2013 11:03	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	570	1390	5	EPA SW-846 8270C	06/05/2013 14:28	06/06/2013 11:03	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	465	1390	5	EPA SW-846 8270C	06/05/2013 14:28	06/06/2013 11:03	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	629	1390	5	EPA SW-846 8270C	06/05/2013 14:28	06/06/2013 11:03	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	1050	1390	5	EPA SW-846 8270C	06/05/2013 14:28	06/06/2013 11:03	SR
85-01-8	Phenanthrene	1220	J	ug/kg dry	726	1390	5	EPA SW-846 8270C	06/05/2013 14:28	06/06/2013 11:03	SR
108-95-2	Phenol	ND		ug/kg dry	601	1390	5	EPA SW-846 8270C	06/05/2013 14:28	06/06/2013 11:03	SR
129-00-0	Pyrene	2980		ug/kg dry	568	1390	5	EPA SW-846 8270C	06/05/2013 14:28	06/06/2013 11:03	SR

Semi-Volatiles, Tentatively Identified Cmpds.

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
NA	dimetoxy Anthracene isomer	1000	J	ug/kg dry			1	EPA SW-846 8270C	06/05/2013 14:28	06/11/2013 14:03	SR
NA	methyl Phenanthrene isomer	779	J	ug/kg dry			1	EPA SW-846 8270C	06/05/2013 14:28	06/11/2013 14:03	SR

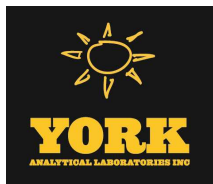
Pesticides/PCBs, EPA TCL List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	2.75	2.75	5	EPA SW 846-8081/8082	06/06/2013 13:56	06/11/2013 12:07	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	2.75	2.75	5	EPA SW 846-8081/8082	06/06/2013 13:56	06/11/2013 12:07	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	2.75	2.75	5	EPA SW 846-8081/8082	06/06/2013 13:56	06/11/2013 12:07	JW
309-00-2	Aldrin	ND		ug/kg dry	2.75	2.75	5	EPA SW 846-8081/8082	06/06/2013 13:56	06/11/2013 12:07	JW
319-84-6	alpha-BHC	ND		ug/kg dry	2.75	2.75	5	EPA SW 846-8081/8082	06/06/2013 13:56	06/11/2013 12:07	JW
12674-11-2	Aroclor 1016	ND		ug/kg dry	284	284	10	EPA SW 846-8081/8082	06/06/2013 13:56	06/11/2013 15:23	JW
11104-28-2	Aroclor 1221	ND		ug/kg dry	284	284	10	EPA SW 846-8081/8082	06/06/2013 13:56	06/11/2013 15:23	JW
11141-16-5	Aroclor 1232	ND		ug/kg dry	284	284	10	EPA SW 846-8081/8082	06/06/2013 13:56	06/11/2013 15:23	JW
53469-21-9	Aroclor 1242	ND		ug/kg dry	284	284	10	EPA SW 846-8081/8082	06/06/2013 13:56	06/11/2013 15:23	JW
12672-29-6	Aroclor 1248	ND		ug/kg dry	284	284	10	EPA SW 846-8081/8082	06/06/2013 13:56	06/11/2013 15:23	JW
11097-69-1	Aroclor 1254	ND		ug/kg dry	284	284	10	EPA SW 846-8081/8082	06/06/2013 13:56	06/11/2013 15:23	JW
11096-82-5	Aroclor 1260	ND		ug/kg dry	284	284	10	EPA SW 846-8081/8082	06/06/2013 13:56	06/11/2013 15:23	JW
319-85-7	beta-BHC	ND		ug/kg dry	2.75	2.75	5	EPA SW 846-8081/8082	06/06/2013 13:56	06/11/2013 12:07	JW
57-74-9	Chlordane, total	ND		ug/kg dry	11.0	11.0	5	EPA SW 846-8081/8082	06/06/2013 13:56	06/11/2013 12:07	JW
319-86-8	delta-BHC	ND		ug/kg dry	2.75	2.75	5	EPA SW 846-8081/8082	06/06/2013 13:56	06/11/2013 12:07	JW



Sample Information

Client Sample ID: Composite

York Sample ID: 13F0108-01

York Project (SDG) No.
13F0108

Client Project ID
1531

Matrix
Soil

Collection Date/Time
June 3, 2013 3:00 pm

Date Received
06/04/2013

Pesticides/PCBs, EPA TCL List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
60-57-1	Dieldrin	ND		ug/kg dry	2.75	2.75	5	EPA SW 846-8081/8082	06/06/2013 13:56	06/11/2013 12:07	JW
959-98-8	Endosulfan I	ND		ug/kg dry	2.75	2.75	5	EPA SW 846-8081/8082	06/06/2013 13:56	06/11/2013 12:07	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	2.75	2.75	5	EPA SW 846-8081/8082	06/06/2013 13:56	06/11/2013 12:07	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	2.75	2.75	5	EPA SW 846-8081/8082	06/06/2013 13:56	06/11/2013 12:07	JW
72-20-8	Endrin	ND		ug/kg dry	2.75	2.75	5	EPA SW 846-8081/8082	06/06/2013 13:56	06/11/2013 12:07	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	2.75	2.75	5	EPA SW 846-8081/8082	06/06/2013 13:56	06/11/2013 12:07	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	2.75	2.75	5	EPA SW 846-8081/8082	06/06/2013 13:56	06/11/2013 12:07	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	2.75	2.75	5	EPA SW 846-8081/8082	06/06/2013 13:56	06/11/2013 12:07	JW
76-44-8	Heptachlor	ND		ug/kg dry	2.75	2.75	5	EPA SW 846-8081/8082	06/06/2013 13:56	06/11/2013 12:07	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	2.75	2.75	5	EPA SW 846-8081/8082	06/06/2013 13:56	06/11/2013 12:07	JW
72-43-5	Methoxychlor	ND		ug/kg dry	13.8	13.8	5	EPA SW 846-8081/8082	06/06/2013 13:56	06/11/2013 12:07	JW
1336-36-3	Total PCBs	ND		ug/kg dry	114	284	10	EPA SW 846-8081/8082	06/06/2013 13:56	06/11/2013 15:23	JW
8001-35-2	Toxaphene	ND		ug/kg dry	139	139	5	EPA SW 846-8081/8082	06/06/2013 13:56	06/11/2013 12:07	JW

TPH QAM-025

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Petroleum Hydrocarbons	1560		mg/kg dry	11.1	11.1	1	NJDEP QAM-025	06/06/2013 15:57	06/07/2013 11:57	JW

TCLP Extraction for METALS EPA 1311

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW 846-1311 TCLP ext. for metals

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	TCLP Extraction	Completed		N/A	1.00	1.00	1	EPA SW846-1311	06/05/2013 15:04	06/06/2013 10:47	KK

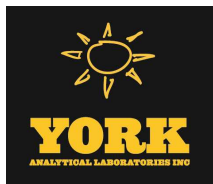
Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	6940		mg/kg dry	1.14	2.23	1	EPA SW846-6010B	06/05/2013 16:56	06/06/2013 01:51	MW
7440-36-0	Antimony	4.56		mg/kg dry	0.245	0.556	1	EPA SW846-6010B	06/05/2013 16:56	06/06/2013 01:51	MW
7440-38-2	Arsenic	10.2		mg/kg dry	0.378	1.11	1	EPA SW846-6010B	06/05/2013 16:56	06/06/2013 01:51	MW
7440-39-3	Barium	164		mg/kg dry	0.145	0.556	1	EPA SW846-6010B	06/05/2013 16:56	06/06/2013 01:51	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.111	0.111	1	EPA SW846-6010B	06/05/2013 16:56	06/06/2013 01:51	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.111	0.556	1	EPA SW846-6010B	06/05/2013 16:56	06/06/2013 01:51	MW
7440-70-2	Calcium	4690		mg/kg dry	0.045	5.56	1	EPA SW846-6010B	06/05/2013 16:56	06/06/2013 01:51	MW
7440-47-3	Chromium	23.2		mg/kg dry	0.134	0.556	1	EPA SW846-6010B	06/05/2013 16:56	06/06/2013 01:51	MW
7440-48-4	Cobalt	7.45		mg/kg dry	0.089	0.556	1	EPA SW846-6010B	06/05/2013 16:56	06/06/2013 01:51	MW



Sample Information

Client Sample ID: Composite

York Sample ID: 13F0108-01

York Project (SDG) No.
13F0108

Client Project ID
1531

Matrix
Soil

Collection Date/Time
June 3, 2013 3:00 pm

Date Received
06/04/2013

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-50-8	Copper	189		mg/kg dry	0.134	0.556	1	EPA SW846-6010B	06/05/2013 16:56	06/06/2013 01:51	MW
7439-89-6	Iron	21300		mg/kg dry	0.723	2.23	1	EPA SW846-6010B	06/05/2013 16:56	06/06/2013 01:51	MW
7439-92-1	Lead	317		mg/kg dry	0.189	0.334	1	EPA SW846-6010B	06/05/2013 16:56	06/06/2013 01:51	MW
7439-95-4	Magnesium	1830		mg/kg dry	0.501	5.56	1	EPA SW846-6010B	06/05/2013 16:56	06/06/2013 01:51	MW
7439-96-5	Manganese	333		mg/kg dry	0.122	1.11	1	EPA SW846-6010B	06/05/2013 16:56	06/06/2013 01:51	MW
7440-02-0	Nickel	20.1		mg/kg dry	0.145	0.556	1	EPA SW846-6010B	06/05/2013 16:56	06/06/2013 01:51	MW
7440-09-7	Potassium	767		mg/kg dry	3.76	11.1	1	EPA SW846-6010B	06/05/2013 16:56	06/06/2013 01:51	MW
7782-49-2	Selenium	3.82		mg/kg dry	0.556	0.556	1	EPA SW846-6010B	06/05/2013 16:56	06/06/2013 01:51	MW
7440-22-4	Silver	ND		mg/kg dry	0.111	0.556	1	EPA SW846-6010B	06/05/2013 16:56	06/06/2013 01:51	MW
7440-23-5	Sodium	131		mg/kg dry	5.86	11.1	1	EPA SW846-6010B	06/05/2013 16:56	06/06/2013 01:51	MW
7440-28-0	Thallium	ND		mg/kg dry	0.356	0.556	1	EPA SW846-6010B	06/05/2013 16:56	06/06/2013 01:51	MW
7440-62-2	Vanadium	27.9		mg/kg dry	0.122	0.556	1	EPA SW846-6010B	06/05/2013 16:56	06/06/2013 01:51	MW
7440-66-6	Zinc	251		mg/kg dry	0.100	0.556	1	EPA SW846-6010B	06/05/2013 16:56	06/06/2013 01:51	MW

Metals, TCLP RCRA

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		mg/L	0.004	0.004	1	EPA SW846-6010B/1311	06/06/2013 10:05	06/06/2013 13:32	MW
7440-39-3	Barium	0.825		mg/L	0.002	0.010	1	EPA SW846-6010B/1311	06/06/2013 10:05	06/06/2013 13:32	MW
7440-43-9	Cadmium	0.008		mg/L	0.002	0.003	1	EPA SW846-6010B/1311	06/06/2013 10:05	06/06/2013 13:32	MW
7440-47-3	Chromium	ND		mg/L	0.002	0.005	1	EPA SW846-6010B/1311	06/06/2013 10:05	06/06/2013 13:32	MW
7439-92-1	Lead	0.354		mg/L	0.002	0.003	1	EPA SW846-6010B/1311	06/06/2013 10:05	06/06/2013 13:32	MW
7782-49-2	Selenium	ND		mg/L	0.007	0.010	1	EPA SW846-6010B/1311	06/06/2013 10:05	06/06/2013 13:32	MW
7440-22-4	Silver	ND		mg/L	0.002	0.005	1	EPA SW846-6010B/1311	06/06/2013 10:05	06/06/2013 13:32	MW

Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7471

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0367	0.0367	1	EPA SW846-7471	06/06/2013 13:03	06/07/2013 11:33	AA

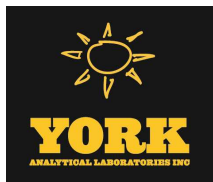
Mercury, TCLP

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7470

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.000200		mg/L	0.0000390	0.000200	1	EPA SW846-7470/1311	06/06/2013 09:07	06/07/2013 11:30	AA



Sample Information

Client Sample ID: Composite

York Sample ID: 13F0108-01

York Project (SDG) No.

13F0108

Client Project ID

1531

Matrix

Soil

Collection Date/Time

June 3, 2013 3:00 pm

Date Received

06/04/2013

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	% Solids	89.9		%	0.100	0.100	1	SM 2540G	06/06/2013 08:26	06/06/2013 13:58	AMC

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.389	0.556	1	SW846-7196A	06/07/2013 08:22	06/07/2013 15:00	AMC

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	1.34		mg/kg dry	0.556	0.556	1	EPA SW-846 9013A/9010C	06/06/2013 11:18	06/06/2013 11:26	ALD

pH

Log-in Notes:

Sample Notes: HT-01

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	pH	7.76		pH units		0.500	1	EPA SW846-9045D	06/11/2013 07:54	06/11/2013 10:16	ALD



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
13F0108-01	Composite	Encore Sampler

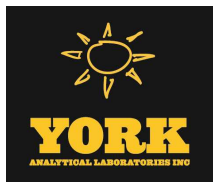
Notes and Definitions

S-GC	Two surrogates are used for this analysis. One surrogate recovered within control limits therefore the analysis is acceptable.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-4X	The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater than the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL); therefore, the result is an estimated concentration.
HT-01	This result was reported from an analysis conducted outside of the EPA recommended holding time.
EXT-COMP Completed	

B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants. Data users should consider anything <10x the blank value as artifact.
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ND	Analyte NOT DETECTED at the stated Reporting Limit (RL) or above.
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
MDL	METHOD DETECTION LIMIT - the minimum concentration that can be measured and reported with a 99% confidence that the concentration is greater than zero. If requested or required, a value reported below the RL and above the MDL is considered estimated and is noted with a "J" flag.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.



If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the MDL, with values between the MDL and the RL being "J" flagged as estimated results.



YORK ANALYTICAL LABORATORIES
120 RESEARCH DR.
STRAITFORD, CT 06615
(203) 325-1371
FAX (203) 357-0166

YORK
ANALYTICAL LABORATORIES INC

Field Chain-of-Custody Record

NOTE: York's Std. Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions.

Page of

York Project No. 13FO108

YOUR INFORMATION Company: <u>GeoQuest, Inc</u> Address: <u>3 Barnard Ln</u> <u>Elmfield, CT 06002</u> Phone No. <u>860-283-1757</u> Contact Person: <u>Bill Hughes</u> E-Mail Address: <u>bhughes@geoquest.com</u>		Report To: Company: <u>Sam</u> Address: <u> </u> Phone No. <u> </u> Attention: <u> </u> E-Mail Address: <u> </u>		Invoice To: Company: <u>Sam</u> Address: <u> </u> Phone No. <u> </u> Attention: <u> </u> E-Mail Address: <u> </u>		YOUR PROJECT ID <u>1531</u> Purchase Order No. <u>1531</u>		Turn-Around Time RUSH - Same Day <input type="checkbox"/> RUSH - Next Day <input type="checkbox"/> RUSH - Two Day <input type="checkbox"/> RUSH - Three Day <input type="checkbox"/> RUSH - Four Day <input type="checkbox"/> Standard(5-7 Days) <input checked="" type="checkbox"/>		Report Type Summary Report <input checked="" type="checkbox"/> Summary w/ QA Summary <input type="checkbox"/> CT RCP Package <input type="checkbox"/> CTRCP DQA/DUE Pkg <input type="checkbox"/> NY ASP A Package <input type="checkbox"/> NY ASP B Package <input type="checkbox"/> NJDEP Red. Deliv. <input type="checkbox"/> Electronic Data Deliverables (EDD) <input type="checkbox"/> Simple Excel <input type="checkbox"/> NYSDEC EQuIS <input type="checkbox"/> EQuIS (std) <input type="checkbox"/> EZ-EDD (EQuIS) <input type="checkbox"/> NJDEP SRP HazSite EDD <input type="checkbox"/> GIS/KEY (std) <input type="checkbox"/> Other <input type="checkbox"/> York Regulatory Comparison <input type="checkbox"/> Excel Spreadsheet <input type="checkbox"/> Compare to the following Regs. (please fill in): <input type="checkbox"/>			
Matrix Codes <input checked="" type="checkbox"/> soil Other - specify (oil, etc.) <u> </u> WW - wastewater <u> </u> GW - groundwater <u> </u> DW - drinking water <u> </u> Air-A - ambient air <u> </u> Air-SV - soil vapor <u> </u>		Volatiles 8260 full <u> </u> 624 <u> </u> STARS list <u> </u> BTEX <u> </u> MTBE <u> </u> Ketones <u> </u> Oxygenates <u> </u> TAGM list <u> </u> CT RCP list <u> </u> Arom. only <u> </u> Halog. only <u> </u> App. IX list <u> </u> 8021B list <u> </u>		Semi-Vols. 8270 or 625 <u> </u> STARS list <u> </u> BN Only <u> </u> Acids Only <u> </u> PAH list <u> </u> TAGM list <u> </u> CT RCP list <u> </u> TCL list <u> </u> App. IX <u> </u> SPLP or TCLP <u> </u> 608 PCB <u> </u>		Metals RCRA 8 <u> </u> PP13 list <u> </u> TAL <u> </u> CT15 list <u> </u> TAGM list <u> </u> NJDEP list <u> </u> Total <u> </u> Dissolved <u> </u> SPLP or TCLP <u> </u> Ind. Metals <u> </u> LIST Below <u> </u>		Misc. Org. TPH GRO <u> </u> TPH DRO <u> </u> CT ETPH <u> </u> NY 310-13 <u> </u> TPH 1664 <u> </u> Air TO14A <u> </u> Air TO15 <u> </u> Air STARS <u> </u> Air VPH <u> </u> Air TICs <u> </u> Methane <u> </u> Helium <u> </u>		Full Lists Pri. Poll. <u> </u> TCL Organics <u> </u> TAL MetCN <u> </u> Full TCLP <u> </u> Full App. IX <u> </u> Part 360 Routine <u> </u> Part 360 Baseline <u> </u> Part 360 Equivalents <u> </u> Part 360 Extended <u> </u> NYDEP Sewer <u> </u> NYSDDEC Sewer <u> </u> TAGM <u> </u> Silica <u> </u>		Misc. Corrosivity <u> </u> Reactivity <u> </u> Ignitability <u> </u> Flash Point <u> </u> Sieve Anal. <u> </u> Heterotrophs <u> </u> TOX <u> </u> BTU/lb. <u> </u> Aquatic Tox. <u> </u> TOC <u> </u> Asbestos <u> </u>	

Sample Identification <u>Composite</u>		Date/Time Sampled <u>6-3-13</u>		Sample Matrix <u>S</u>		Choose Analyses Needed from the Menu Above and Enter Below <u>TCL/TAL +30</u> <u>TCLP Metals, pH TPH</u>		Container Description(s) <u>2-8 oz Glass Jars</u> <u>3-50L Encores</u>	
Comments <u>Samples contain pieces of asphalt</u>		Preservation Check those Applicable Special Instructions <input type="checkbox"/> Field Filtered <input type="checkbox"/> Lab to Filter <input type="checkbox"/>		4°C <input type="checkbox"/> Frozen <input type="checkbox"/> HCl <input type="checkbox"/> MeOH <input type="checkbox"/> Ascorbic Acid <input type="checkbox"/> Other <input type="checkbox"/>		HNO₃ <input type="checkbox"/> H₂SO₄ <input type="checkbox"/> NaOH <input type="checkbox"/>		Temperature on Receipt <u>4.2 °C</u>	
Samples Relinquished By <u>Bill Hughes 6-3-13 1620</u>		Date/Time <u>6/4/13 - 1620</u>		Samples Received By <u> </u>		Date/Time <u> </u>		Samples Received in LAB by <u> </u>	

Technical Report

prepared for:

GeoQuest Inc
3 Barnard Lane
Bloomfield CT, 06002
Attention: Bill Hughes

Report Date: 08/10/2012
Client Project ID: 1531
York Project (SDG) No.: 12G0911

Revision No. 1.0

CT License No. PH-0723

New Jersey License No. CT-005



New York License No. 10854

PA License No. 68-04440

Report Date: 08/10/2012
Client Project ID: 1531
York Project (SDG) No.: 12G0911

GeoQuest Inc
3 Barnard Lane
Bloomfield CT, 06002
Attention: Bill Hughes

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on July 27, 2012 and listed below. The project was identified as your project: **1531**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the attachment to this report, and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
12G0911-01	Composite	Soil	07/27/2012	07/27/2012
12G0911-02	CS-1	Soil	07/27/2012	07/27/2012

General Notes for York Project (SDG) No.: 12G0911

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

Approved By:



Robert Q. Bradley
Executive Vice President / Laboratory Director

Date: 08/10/2012

YORK

Sample Information

Client Sample ID: Composite

York Sample ID: 12G0911-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

12G0911

1531

Soil

July 27, 2012 12:00 pm

07/27/2012

Semi-Volatiles, NJDEP/TCL List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1'-Biphenyl	ND		ug/kg dry	90.6	185	1	EPA SW-846 8270C	08/01/2012 07:21	08/10/2012 10:51	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	67.0	185	1	EPA SW-846 8270C	08/01/2012 07:21	08/10/2012 10:51	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	121	185	1	EPA SW-846 8270C	08/01/2012 07:21	08/10/2012 10:51	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	36.7	185	1	EPA SW-846 8270C	08/01/2012 07:21	08/10/2012 10:51	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	58.5	185	1	EPA SW-846 8270C	08/01/2012 07:21	08/10/2012 10:51	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	114	185	1	EPA SW-846 8270C	08/01/2012 07:21	08/10/2012 10:51	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	144	185	1	EPA SW-846 8270C	08/01/2012 07:21	08/10/2012 10:51	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	94.1	185	1	EPA SW-846 8270C	08/01/2012 07:21	08/10/2012 10:51	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	151	185	1	EPA SW-846 8270C	08/01/2012 07:21	08/10/2012 10:51	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	130	185	1	EPA SW-846 8270C	08/01/2012 07:21	08/10/2012 10:51	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	156	370	1	EPA SW-846 8270C	08/01/2012 07:21	08/10/2012 10:51	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	81.9	185	1	EPA SW-846 8270C	08/01/2012 07:21	08/10/2012 10:51	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	95.2	185	1	EPA SW-846 8270C	08/01/2012 07:21	08/10/2012 10:51	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	100	185	1	EPA SW-846 8270C	08/01/2012 07:21	08/10/2012 10:51	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	61.1	185	1	EPA SW-846 8270C	08/01/2012 07:21	08/10/2012 10:51	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	142	185	1	EPA SW-846 8270C	08/01/2012 07:21	08/10/2012 10:51	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	70.4	185	1	EPA SW-846 8270C	08/01/2012 07:21	08/10/2012 10:51	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	161	185	1	EPA SW-846 8270C	08/01/2012 07:21	08/10/2012 10:51	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	50.4	185	1	EPA SW-846 8270C	08/01/2012 07:21	08/10/2012 10:51	SR
100-01-6	3- & 4-Methylphenols	ND		ug/kg dry	80.4	185	1	EPA SW-846 8270C	08/01/2012 07:21	08/10/2012 10:51	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	97.0	185	1	EPA SW-846 8270C	08/01/2012 07:21	08/10/2012 10:51	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	184	185	1	EPA SW-846 8270C	08/01/2012 07:21	08/10/2012 10:51	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	233	370	1	EPA SW-846 8270C	08/01/2012 07:21	08/10/2012 10:51	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	89.3	185	1	EPA SW-846 8270C	08/01/2012 07:21	08/10/2012 10:51	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	109	185	1	EPA SW-846 8270C	08/01/2012 07:21	08/10/2012 10:51	SR
100-02-7	4-Nitroaniline	ND		ug/kg dry	76.7	185	1	EPA SW-846 8270C	08/01/2012 07:21	08/10/2012 10:51	SR
56-57-5	4-Nitrophenol	ND		ug/kg dry	69.6	185	1	EPA SW-846 8270C	08/01/2012 07:21	08/10/2012 10:51	SR
83-32-9	Acenaphthene	ND		ug/kg dry	67.0	185	1	EPA SW-846 8270C	08/01/2012 07:21	08/10/2012 10:51	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	88.9	185	1	EPA SW-846 8270C	08/01/2012 07:21	08/10/2012 10:51	SR
98-86-2	Acetophenone	ND		ug/kg dry	74.1	185	1	EPA SW-846 8270C	08/01/2012 07:21	08/10/2012 10:51	SR
120-12-7	Anthracene	169	J	ug/kg dry	101	185	1	EPA SW-846 8270C	08/01/2012 07:21	08/10/2012 10:51	SR
1912-24-9	Atrazine	ND		ug/kg dry	99.5	185	1	EPA SW-846 8270C	08/01/2012 07:21	08/10/2012 10:51	SR
92-87-5	Benzaldehyde	ND		ug/kg dry	147	370	1	EPA SW-846 8270C	08/01/2012 07:21	08/10/2012 10:51	SR

Sample Information

Client Sample ID: Composite

York Sample ID: 12G0911-01

York Project (SDG) No.
12G0911

Client Project ID
1531

Matrix
Soil

Collection Date/Time
July 27, 2012 12:00 pm

Date Received
07/27/2012

Semi-Volatiles, NJDEP/TCL List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-87-5	Benzidine	ND		ug/kg dry	33.3	185	1	EPA SW-846 8270C	08/01/2012 07:21	08/10/2012 10:51	SR
56-55-3	Benzo(a)anthracene	776		ug/kg dry	69.3	185	1	EPA SW-846 8270C	08/01/2012 07:21	08/10/2012 10:51	SR
50-32-8	Benzo(a)pyrene	976		ug/kg dry	73.3	185	1	EPA SW-846 8270C	08/01/2012 07:21	08/10/2012 10:51	SR
205-99-2	Benzo(b)fluoranthene	587		ug/kg dry	155	185	1	EPA SW-846 8270C	08/01/2012 07:21	08/10/2012 10:51	SR
191-24-2	Benzo(g,h,i)perylene	325		ug/kg dry	61.5	185	1	EPA SW-846 8270C	08/01/2012 07:21	08/10/2012 10:51	SR
207-08-9	Benzo(k)fluoranthene	925		ug/kg dry	185	185	1	EPA SW-846 8270C	08/01/2012 07:21	08/10/2012 10:51	SR
65-85-0	Benzoic acid	ND		ug/kg dry	127	370	1	EPA SW-846 8270C	08/01/2012 07:21	08/10/2012 10:51	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	102	185	1	EPA SW-846 8270C	08/01/2012 07:21	08/10/2012 10:51	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	63.7	185	1	EPA SW-846 8270C	08/01/2012 07:21	08/10/2012 10:51	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	94.5	185	1	EPA SW-846 8270C	08/01/2012 07:21	08/10/2012 10:51	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	65.2	185	1	EPA SW-846 8270C	08/01/2012 07:21	08/10/2012 10:51	SR
117-81-7	Bis(2-ethylhexyl)phthalate	313		ug/kg dry	128	185	1	EPA SW-846 8270C	08/01/2012 07:21	08/10/2012 10:51	SR
105-60-2	Caprolactam	ND		ug/kg dry	61.3	185	1	EPA SW-846 8270C	08/01/2012 07:21	08/10/2012 10:51	SR
86-74-8	Carbazole	ND		ug/kg dry	128	185	1	EPA SW-846 8270C	08/01/2012 07:21	08/10/2012 10:51	SR
218-01-9	Chrysene	855		ug/kg dry	85.2	185	1	EPA SW-846 8270C	08/01/2012 07:21	08/10/2012 10:51	SR
53-70-3	Dibenzo(a,h)anthracene	134	J	ug/kg dry	74.5	185	1	EPA SW-846 8270C	08/01/2012 07:21	08/10/2012 10:51	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	86.3	185	1	EPA SW-846 8270C	08/01/2012 07:21	08/10/2012 10:51	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	116	185	1	EPA SW-846 8270C	08/01/2012 07:21	08/10/2012 10:51	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	82.6	185	1	EPA SW-846 8270C	08/01/2012 07:21	08/10/2012 10:51	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	75.2	185	1	EPA SW-846 8270C	08/01/2012 07:21	08/10/2012 10:51	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	185	185	1	EPA SW-846 8270C	08/01/2012 07:21	08/10/2012 10:51	SR
206-44-0	Fluoranthene	1500		ug/kg dry	109	185	1	EPA SW-846 8270C	08/01/2012 07:21	08/10/2012 10:51	SR
86-73-7	Fluorene	ND		ug/kg dry	88.9	185	1	EPA SW-846 8270C	08/01/2012 07:21	08/10/2012 10:51	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	109	185	1	EPA SW-846 8270C	08/01/2012 07:21	08/10/2012 10:51	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	62.6	185	1	EPA SW-846 8270C	08/01/2012 07:21	08/10/2012 10:51	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	138	185	1	EPA SW-846 8270C	08/01/2012 07:21	08/10/2012 10:51	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	53.0	185	1	EPA SW-846 8270C	08/01/2012 07:21	08/10/2012 10:51	SR
193-39-5	Indeno(1,2,3-cd)pyrene	353		ug/kg dry	84.5	185	1	EPA SW-846 8270C	08/01/2012 07:21	08/10/2012 10:51	SR
78-59-1	Isophorone	ND		ug/kg dry	63.7	185	1	EPA SW-846 8270C	08/01/2012 07:21	08/10/2012 10:51	SR
91-20-3	Naphthalene	ND		ug/kg dry	45.6	185	1	EPA SW-846 8270C	08/01/2012 07:21	08/10/2012 10:51	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	54.4	185	1	EPA SW-846 8270C	08/01/2012 07:21	08/10/2012 10:51	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	75.9	185	1	EPA SW-846 8270C	08/01/2012 07:21	08/10/2012 10:51	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	61.9	185	1	EPA SW-846 8270C	08/01/2012 07:21	08/10/2012 10:51	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	83.7	185	1	EPA SW-846 8270C	08/01/2012 07:21	08/10/2012 10:51	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	140	185	1	EPA SW-846 8270C	08/01/2012 07:21	08/10/2012 10:51	SR

Sample Information

Client Sample ID: Composite

York Sample ID: 12G0911-01

York Project (SDG) No.
12G0911

Client Project ID
1531

Matrix
Soil

Collection Date/Time
July 27, 2012 12:00 pm

Date Received
07/27/2012

Semi-Volatiles, NJDEP/TCL List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-01-8	Phenanthrene	679		ug/kg dry	96.7	185	1	EPA SW-846 8270C	08/01/2012 07:21	08/10/2012 10:51	SR
108-95-2	Phenol	ND		ug/kg dry	80.0	185	1	EPA SW-846 8270C	08/01/2012 07:21	08/10/2012 10:51	SR
129-00-0	Pyrene	2130		ug/kg dry	75.6	185	1	EPA SW-846 8270C	08/01/2012 07:21	08/10/2012 10:51	SR
Surrogate Recoveries		Result		Acceptance Range							
5175-83-7	Surrogate: 2,4,6-Tribromophenol	42.3 %		15-110							
321-60-8	Surrogate: 2-Fluorobiphenyl	39.8 %		30-130							
367-12-4	Surrogate: 2-Fluorophenol	51.9 %		15-110							
4165-60-0	Surrogate: Nitrobenzene-d5	38.5 %		30-130							
4165-62-2	Surrogate: Phenol-d5	45.8 %		15-110							
1718-51-0	Surrogate: Terphenyl-d14	65.2 %		30-130							

Pesticides, NJDEP/TCL List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	3.67	3.67	10	EPA SW 846-8081	08/01/2012 08:40	08/01/2012 14:31	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	3.67	3.67	10	EPA SW 846-8081	08/01/2012 08:40	08/01/2012 14:31	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	3.67	3.67	10	EPA SW 846-8081	08/01/2012 08:40	08/01/2012 14:31	JW
309-00-2	Aldrin	ND		ug/kg dry	3.67	3.67	10	EPA SW 846-8081	08/01/2012 08:40	08/01/2012 14:31	JW
319-84-6	alpha-BHC	ND		ug/kg dry	3.67	3.67	10	EPA SW 846-8081	08/01/2012 08:40	08/01/2012 14:31	JW
5103-71-9	alpha-Chlordane	ND		ug/kg dry	3.67	3.67	10	EPA SW 846-8081	08/01/2012 08:40	08/01/2012 14:31	JW
319-85-7	beta-BHC	ND		ug/kg dry	3.67	3.67	10	EPA SW 846-8081	08/01/2012 08:40	08/01/2012 14:31	JW
57-74-9	Chlordane, total	ND		ug/kg dry	14.7	14.7	10	EPA SW 846-8081	08/01/2012 08:40	08/01/2012 14:31	JW
319-86-8	delta-BHC	ND		ug/kg dry	3.67	3.67	10	EPA SW 846-8081	08/01/2012 08:40	08/01/2012 14:31	JW
60-57-1	Dieldrin	ND		ug/kg dry	3.67	3.67	10	EPA SW 846-8081	08/01/2012 08:40	08/01/2012 14:31	JW
959-98-8	Endosulfan I	ND		ug/kg dry	3.67	3.67	10	EPA SW 846-8081	08/01/2012 08:40	08/01/2012 14:31	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	3.67	3.67	10	EPA SW 846-8081	08/01/2012 08:40	08/01/2012 14:31	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	3.67	3.67	10	EPA SW 846-8081	08/01/2012 08:40	08/01/2012 14:31	JW
72-20-8	Endrin	ND		ug/kg dry	3.67	3.67	10	EPA SW 846-8081	08/01/2012 08:40	08/01/2012 14:31	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	3.67	3.67	10	EPA SW 846-8081	08/01/2012 08:40	08/01/2012 14:31	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	3.67	3.67	10	EPA SW 846-8081	08/01/2012 08:40	08/01/2012 14:31	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	3.67	3.67	10	EPA SW 846-8081	08/01/2012 08:40	08/01/2012 14:31	JW
5103-74-2	gamma-Chlordane	ND		ug/kg dry	3.67	3.67	10	EPA SW 846-8081	08/01/2012 08:40	08/01/2012 14:31	JW
76-44-8	Heptachlor	ND		ug/kg dry	3.67	3.67	10	EPA SW 846-8081	08/01/2012 08:40	08/01/2012 14:31	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	3.67	3.67	10	EPA SW 846-8081	08/01/2012 08:40	08/01/2012 14:31	JW
72-43-5	Methoxychlor	ND		ug/kg dry	18.3	18.3	10	EPA SW 846-8081	08/01/2012 08:40	08/01/2012 14:31	JW
8001-35-2	Toxaphene	ND		ug/kg dry	186	186	10	EPA SW 846-8081	08/01/2012 08:40	08/01/2012 14:31	JW

Sample Information

Client Sample ID: Composite

York Sample ID: 12G0911-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

12G0911

1531

Soil

July 27, 2012 12:00 pm

07/27/2012

Pesticides, NJDEP/TCL List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
Surrogate Recoveries		Result			Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	55.9 %			30-150						
877-09-8	Surrogate: Tetrachloro-m-xylene	53.3 %			30-150						

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0189	0.0189	1	EPA SW 846-8082	08/01/2012 08:40	08/01/2012 22:11	JW
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0189	0.0189	1	EPA SW 846-8082	08/01/2012 08:40	08/01/2012 22:11	JW
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0189	0.0189	1	EPA SW 846-8082	08/01/2012 08:40	08/01/2012 22:11	JW
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0189	0.0189	1	EPA SW 846-8082	08/01/2012 08:40	08/01/2012 22:11	JW
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0189	0.0189	1	EPA SW 846-8082	08/01/2012 08:40	08/01/2012 22:11	JW
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0189	0.0189	1	EPA SW 846-8082	08/01/2012 08:40	08/01/2012 22:11	JW
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0189	0.0189	1	EPA SW 846-8082	08/01/2012 08:40	08/01/2012 22:11	JW
37324-23-5	Aroclor 1262	ND		mg/kg dry	0.0189	0.0189	1	EPA SW 846-8082	08/01/2012 08:40	08/01/2012 22:11	JW
11100-14-4	Aroclor 1268	ND		mg/kg dry	0.0189	0.0189	1	EPA SW 846-8082	08/01/2012 08:40	08/01/2012 22:11	JW
1336-36-3	Total PCBs	ND		mg/kg dry	0.0189	0.0189	1	EPA SW 846-8082	08/01/2012 08:40	08/01/2012 22:11	JW
Surrogate Recoveries		Result			Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	49.8 %			30-150						
877-09-8	Surrogate: Tetrachloro-m-xylene	43.8 %			30-150						

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	6500		mg/kg dry	1.13	2.22	1	EPA SW846-6010B	08/01/2012 16:06	08/01/2012 20:43	MW
7440-36-0	Antimony	4.92		mg/kg dry	0.244	0.556	1	EPA SW846-6010B	08/01/2012 16:06	08/01/2012 20:43	MW
7440-38-2	Arsenic	14.5		mg/kg dry	0.378	1.11	1	EPA SW846-6010B	08/01/2012 16:06	08/01/2012 20:43	MW
7440-39-3	Barium	200		mg/kg dry	0.144	0.556	1	EPA SW846-6010B	08/01/2012 16:06	08/01/2012 20:43	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.111	0.111	1	EPA SW846-6010B	08/01/2012 16:06	08/01/2012 20:43	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.111	0.556	1	EPA SW846-6010B	08/01/2012 16:06	08/01/2012 20:43	MW
7440-70-2	Calcium	6580		mg/kg dry	0.044	2.22	1	EPA SW846-6010B	08/01/2012 16:06	08/01/2012 20:43	MW
7440-47-3	Chromium	25.5		mg/kg dry	0.133	0.556	1	EPA SW846-6010B	08/01/2012 16:06	08/01/2012 20:43	MW
7440-48-4	Cobalt	7.05		mg/kg dry	0.089	0.556	1	EPA SW846-6010B	08/01/2012 16:06	08/01/2012 20:43	MW
7440-50-8	Copper	191		mg/kg dry	0.133	0.556	1	EPA SW846-6010B	08/01/2012 16:06	08/01/2012 20:43	MW
7439-89-6	Iron	23900		mg/kg dry	0.722	1.11	1	EPA SW846-6010B	08/01/2012 16:06	08/01/2012 20:43	MW
7439-92-1	Lead	396		mg/kg dry	0.189	0.333	1	EPA SW846-6010B	08/01/2012 16:06	08/01/2012 20:43	MW
7439-95-4	Magnesium	1860		mg/kg dry	0.500	2.22	1	EPA SW846-6010B	08/01/2012 16:06	08/01/2012 20:43	MW
7439-96-5	Manganese	304		mg/kg dry	0.122	1.11	1	EPA SW846-6010B	08/01/2012 16:06	08/01/2012 20:43	MW

Sample Information

Client Sample ID: Composite

York Sample ID: 12G0911-01

York Project (SDG) No.
12G0911

Client Project ID
1531

Matrix
Soil

Collection Date/Time
July 27, 2012 12:00 pm

Date Received
07/27/2012

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	Nickel	23.2		mg/kg dry	0.144	0.556	1	EPA SW846-6010B	08/01/2012 16:06	08/01/2012 20:43	MW
7440-09-7	Potassium	819		mg/kg dry	3.76	11.1	1	EPA SW846-6010B	08/01/2012 16:06	08/01/2012 20:43	MW
7782-49-2	Selenium	ND		mg/kg dry	0.556	0.556	1	EPA SW846-6010B	08/01/2012 16:06	08/01/2012 20:43	MW
7440-22-4	Silver	ND		mg/kg dry	0.111	0.556	1	EPA SW846-6010B	08/01/2012 16:06	08/01/2012 20:43	MW
7440-23-5	Sodium	71.8		mg/kg dry	5.86	11.1	1	EPA SW846-6010B	08/01/2012 16:06	08/01/2012 20:43	MW
7440-28-0	Thallium	ND		mg/kg dry	0.356	0.556	1	EPA SW846-6010B	08/01/2012 16:06	08/01/2012 20:43	MW
7440-62-2	Vanadium	32.0		mg/kg dry	0.122	0.556	1	EPA SW846-6010B	08/01/2012 16:06	08/01/2012 20:43	MW
7440-66-6	Zinc	319		mg/kg dry	0.100	0.556	1	EPA SW846-6010B	08/01/2012 16:06	08/01/2012 20:43	MW

Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7471

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.889		mg/kg dry	0.104	0.111	1	EPA SW846-7471	08/01/2012 08:32	08/01/2012 14:24	AA

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	% Solids	90.0		%	0.100	0.100	1	SM 2540G	08/01/2012 14:33	08/01/2012 14:33	JCC

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.389	0.556	1	SW846-7196A	08/03/2012 14:33	08/03/2012 14:33	AD

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	1.67		mg/kg dry	0.556	0.556	1	EPA SW-846 9013A/9010C	08/01/2012 08:30	08/02/2012 16:46	ALD

Sample Information

Client Sample ID: CS-1

York Sample ID: 12G0911-02

York Project (SDG) No.
12G0911

Client Project ID
1531

Matrix
Soil

Collection Date/Time
July 27, 2012 12:00 pm

Date Received
07/27/2012

Volatile Organics, NJDEP/TCL List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	1.5	11	1	EPA SW846-8260B	08/02/2012 11:14	08/02/2012 16:41	SS

Sample Information

Client Sample ID: CS-1

York Sample ID: 12G0911-02

York Project (SDG) No.
12G0911

Client Project ID
1531

Matrix
Soil

Collection Date/Time
July 27, 2012 12:00 pm

Date Received
07/27/2012

Volatile Organics, NJDEP/TCL List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	0.28	11	1	EPA SW846-8260B	08/02/2012 11:14	08/02/2012 16:41	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.2	11	1	EPA SW846-8260B	08/02/2012 11:14	08/02/2012 16:41	SS
76-13-1	1,2-Trichloro-1,2,2-trifluoroethane (Freon 114)	4.7	J	ug/kg dry	0.71	11	1	EPA SW846-8260B	08/02/2012 11:14	08/02/2012 16:41	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.6	11	1	EPA SW846-8260B	08/02/2012 11:14	08/02/2012 16:41	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.1	11	1	EPA SW846-8260B	08/02/2012 11:14	08/02/2012 16:41	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	0.89	11	1	EPA SW846-8260B	08/02/2012 11:14	08/02/2012 16:41	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.5	22	1	EPA SW846-8260B	08/02/2012 11:14	08/02/2012 16:41	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.9	22	1	EPA SW846-8260B	08/02/2012 11:14	08/02/2012 16:41	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	0.86	11	1	EPA SW846-8260B	08/02/2012 11:14	08/02/2012 16:41	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	0.94	11	1	EPA SW846-8260B	08/02/2012 11:14	08/02/2012 16:41	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.1	11	1	EPA SW846-8260B	08/02/2012 11:14	08/02/2012 16:41	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	0.87	11	1	EPA SW846-8260B	08/02/2012 11:14	08/02/2012 16:41	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.3	11	1	EPA SW846-8260B	08/02/2012 11:14	08/02/2012 16:41	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.6	11	1	EPA SW846-8260B	08/02/2012 11:14	08/02/2012 16:41	SS
78-93-3	2-Butanone	ND		ug/kg dry	1.9	22	1	EPA SW846-8260B	08/02/2012 11:14	08/02/2012 16:41	SS
591-78-6	2-Hexanone	ND		ug/kg dry	1.5	11	1	EPA SW846-8260B	08/02/2012 11:14	08/02/2012 16:41	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	1.4	11	1	EPA SW846-8260B	08/02/2012 11:14	08/02/2012 16:41	SS
67-64-1	Acetone	ND		ug/kg dry	14	22	1	EPA SW846-8260B	08/02/2012 11:14	08/02/2012 16:41	SS
107-02-8	Acrolein	ND		ug/kg dry	5.3	22	1	EPA SW846-8260B	08/02/2012 11:14	08/02/2012 16:41	SS
107-13-1	Acrylonitrile	ND		ug/kg dry	1.7	11	1	EPA SW846-8260B	08/02/2012 11:14	08/02/2012 16:41	SS
71-43-2	Benzene	ND		ug/kg dry	1.1	11	1	EPA SW846-8260B	08/02/2012 11:14	08/02/2012 16:41	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.6	11	1	EPA SW846-8260B	08/02/2012 11:14	08/02/2012 16:41	SS
75-25-2	Bromoform	ND		ug/kg dry	1.0	11	1	EPA SW846-8260B	08/02/2012 11:14	08/02/2012 16:41	SS
74-83-9	Bromomethane	ND		ug/kg dry	2.4	11	1	EPA SW846-8260B	08/02/2012 11:14	08/02/2012 16:41	SS
75-15-0	Carbon disulfide	ND		ug/kg dry	0.79	11	1	EPA SW846-8260B	08/02/2012 11:14	08/02/2012 16:41	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	1.1	11	1	EPA SW846-8260B	08/02/2012 11:14	08/02/2012 16:41	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	1.1	11	1	EPA SW846-8260B	08/02/2012 11:14	08/02/2012 16:41	SS
75-00-3	Chloroethane	ND		ug/kg dry	1.2	11	1	EPA SW846-8260B	08/02/2012 11:14	08/02/2012 16:41	SS
67-66-3	Chloroform	ND		ug/kg dry	1.1	11	1	EPA SW846-8260B	08/02/2012 11:14	08/02/2012 16:41	SS
74-87-3	Chloromethane	ND		ug/kg dry	1.2	11	1	EPA SW846-8260B	08/02/2012 11:14	08/02/2012 16:41	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	0.63	11	1	EPA SW846-8260B	08/02/2012 11:14	08/02/2012 16:41	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	0.99	11	1	EPA SW846-8260B	08/02/2012 11:14	08/02/2012 16:41	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.3	11	1	EPA SW846-8260B	08/02/2012 11:14	08/02/2012 16:41	SS
74-95-3	Dibromomethane	ND		ug/kg dry	1.4	11	1	EPA SW846-8260B	08/02/2012 11:14	08/02/2012 16:41	SS

Sample Information

Client Sample ID: CS-1

York Sample ID: 12G0911-02

York Project (SDG) No.
12G0911

Client Project ID
1531

Matrix
Soil

Collection Date/Time
July 27, 2012 12:00 pm

Date Received
07/27/2012

Volatile Organics, NJDEP/TCL List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	1.0	11	1	EPA SW846-8260B	08/02/2012 11:14	08/02/2012 16:41	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	0.63	11	1	EPA SW846-8260B	08/02/2012 11:14	08/02/2012 16:41	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1.5	11	1	EPA SW846-8260B	08/02/2012 11:14	08/02/2012 16:41	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	1.1	11	1	EPA SW846-8260B	08/02/2012 11:14	08/02/2012 16:41	SS
79-20-9	Methyl acetate	ND		ug/kg dry	3.1	44	1	EPA SW846-8260B	08/02/2012 11:14	08/02/2012 16:41	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	0.80	11	1	EPA SW846-8260B	08/02/2012 11:14	08/02/2012 16:41	SS
75-09-2	Methylene chloride	36	B	ug/kg dry	2.0	22	1	EPA SW846-8260B	08/02/2012 11:14	08/02/2012 16:41	SS
95-47-6	o-Xylene	ND		ug/kg dry	0.80	11	1	EPA SW846-8260B	08/02/2012 11:14	08/02/2012 16:41	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/kg dry	2.0	22	1	EPA SW846-8260B	08/02/2012 11:14	08/02/2012 16:41	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	0.66	11	1	EPA SW846-8260B	08/02/2012 11:14	08/02/2012 16:41	SS
100-42-5	Styrene	ND		ug/kg dry	0.72	11	1	EPA SW846-8260B	08/02/2012 11:14	08/02/2012 16:41	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	56	170	1	EPA SW846-8260B	08/02/2012 11:14	08/02/2012 16:41	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	1.2	11	1	EPA SW846-8260B	08/02/2012 11:14	08/02/2012 16:41	SS
108-88-3	Toluene	ND		ug/kg dry	0.84	11	1	EPA SW846-8260B	08/02/2012 11:14	08/02/2012 16:41	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.1	11	1	EPA SW846-8260B	08/02/2012 11:14	08/02/2012 16:41	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.1	11	1	EPA SW846-8260B	08/02/2012 11:14	08/02/2012 16:41	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	1.1	11	1	EPA SW846-8260B	08/02/2012 11:14	08/02/2012 16:41	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	0.77	11	1	EPA SW846-8260B	08/02/2012 11:14	08/02/2012 16:41	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	0.59	11	1	EPA SW846-8260B	08/02/2012 11:14	08/02/2012 16:41	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	1.3	33	1	EPA SW846-8260B	08/02/2012 11:14	08/02/2012 16:41	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	109 %	72.6-129								
460-00-4	Surrogate: p-Bromofluorobenzene	97.9 %	63.5-145								
2037-26-5	Surrogate: Toluene-d8	99.3 %	81.2-127								

Volatile Organics, Tentatively Identified Cmpds.

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Tentatively Identified Compounds	0.0		ug/kg dry			1	EPA SW846-8260B	08/02/2012 12:59	08/03/2012 10:48	SR

Sample Information

Client Sample ID: CS-1

York Sample ID: 12G0911-02

York Project (SDG) No.
12G0911

Client Project ID
1531

Matrix
Soil

Collection Date/Time
July 27, 2012 12:00 pm

Date Received
07/27/2012

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	% Solids	40.1		%	0.100	0.100	1	SM 2540G	08/01/2012 14:33	08/01/2012 14:33	JCC

Analytical Batch Summary

Batch ID: BH20001 **Preparation Method:** EPA 3550B **Prepared By:** CC

YORK Sample ID	Client Sample ID	Preparation Date
12G0911-01	Composite	08/01/12
12G0911-01	Composite	08/01/12

Batch ID: BH20002 **Preparation Method:** EPA 3550B **Prepared By:** CM

YORK Sample ID	Client Sample ID	Preparation Date
12G0911-01	Composite	08/01/12
12G0911-01	Composite	08/01/12
BH20002-BLK1	Blank	08/01/12
BH20002-BLK1	Blank	08/01/12
BH20002-BS1	LCS	08/01/12
BH20002-BS2	LCS	08/01/12
BH20002-MS1	Matrix Spike	08/01/12
BH20002-MSD1	Matrix Spike Dup	08/01/12

Batch ID: BH20015 **Preparation Method:** Analysis Preparation Soil **Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
12G0911-01	Composite	08/01/12
BH20015-BLK1	Blank	08/01/12
BH20015-DUP1	Duplicate	08/01/12
BH20015-MS1	Matrix Spike	08/01/12
BH20015-SRM1	Reference	08/01/12

Batch ID: BH20017 **Preparation Method:** EPA SW846-7471 **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
12G0911-01	Composite	08/01/12
BH20017-BLK1	Blank	08/01/12
BH20017-BS1	LCS	08/01/12

Batch ID: BH20037 **Preparation Method:** % Solids Prep **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
12G0911-01	Composite	08/01/12
12G0911-02	CS-1	08/01/12

Batch ID: BH20054 **Preparation Method:** EPA 3050B **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
12G0911-01	Composite	08/01/12
BH20054-BLK1	Blank	08/01/12
BH20054-SRM1	Reference	08/01/12

Batch ID: BH20073**Preparation Method:** EPA 5035B**Prepared By:** AY

YORK Sample ID	Client Sample ID	Preparation Date
12G0911-02	CS-1	08/02/12
BH20073-BLK1	Blank	08/02/12
BH20073-BS1	LCS	08/02/12
BH20073-BSD1	LCS Dup	08/02/12

Batch ID: BH20091**Preparation Method:** EPA 5035B**Prepared By:** AY

YORK Sample ID	Client Sample ID	Preparation Date
12G0911-02	CS-1	08/02/12

Batch ID: BH20125**Preparation Method:** EPA SW846-3060**Prepared By:** AD

YORK Sample ID	Client Sample ID	Preparation Date
12G0911-01	Composite	08/03/12
BH20125-BLK1	Blank	08/03/12
BH20125-SRM1	Reference	08/03/12

Volatile Organic Compounds by EPA SW846-8260B - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BH20073 - EPA 5035B

Blank (BH20073-BLK1)

Prepared & Analyzed: 08/02/2012

1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg wet
1,1,1-Trichloroethane	ND	5.0	"
1,1,2,2-Tetrachloroethane	ND	5.0	"
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"
1,1,2-Trichloroethane	ND	5.0	"
1,1-Dichloroethane	ND	5.0	"
1,1-Dichloroethylene	ND	5.0	"
1,2,4-Trichlorobenzene	ND	10	"
1,2-Dibromo-3-chloropropane	ND	10	"
1,2-Dibromoethane	ND	5.0	"
1,2-Dichlorobenzene	ND	5.0	"
1,2-Dichloroethane	ND	5.0	"
1,2-Dichloropropane	ND	5.0	"
1,3-Dichlorobenzene	ND	5.0	"
1,4-Dichlorobenzene	ND	5.0	"
2-Butanone	ND	10	"
2-Hexanone	ND	5.0	"
4-Methyl-2-pentanone	ND	5.0	"
Acetone	ND	10	"
Acrolein	ND	10	"
Acrylonitrile	ND	5.0	"
Benzene	ND	5.0	"
Bromodichloromethane	ND	5.0	"
Bromoform	ND	5.0	"
Bromomethane	ND	5.0	"
Carbon disulfide	ND	5.0	"
Carbon tetrachloride	ND	5.0	"
Chlorobenzene	ND	5.0	"
Chloroethane	ND	5.0	"
Chloroform	ND	5.0	"
Chloromethane	ND	5.0	"
cis-1,2-Dichloroethylene	ND	5.0	"
cis-1,3-Dichloropropylene	ND	5.0	"
Dibromochloromethane	ND	5.0	"
Dibromomethane	ND	5.0	"
Dichlorodifluoromethane	ND	5.0	"
Ethyl Benzene	ND	5.0	"
Hexachlorobutadiene	ND	5.0	"
Isopropylbenzene	ND	5.0	"
Methyl acetate	ND	20	"
Methyl tert-butyl ether (MTBE)	ND	5.0	"
Methylene chloride	1.1	10	"
o-Xylene	ND	5.0	"
p- & m- Xylenes	ND	10	"
p-Isopropyltoluene	ND	5.0	"
Styrene	ND	5.0	"
tert-Butyl alcohol (TBA)	ND	80	"
Tetrachloroethylene	ND	5.0	"
Toluene	ND	5.0	"
trans-1,2-Dichloroethylene	ND	5.0	"
trans-1,3-Dichloropropylene	ND	5.0	"
Trichloroethylene	ND	5.0	"
Trichlorofluoromethane	ND	5.0	"
Vinyl Chloride	ND	5.0	"

Volatile Organic Compounds by EPA SW846-8260B - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH20073 - EPA 5035B											
Blank (BH20073-BLK1)						Prepared & Analyzed: 08/02/2012					
Xylenes, Total	ND	15	ug/kg wet								
Surrogate: 1,2-Dichloroethane-d4	51.8		ug/L	50.0		104	72.6-129				
Surrogate: p-Bromofluorobenzene	48.0		"	50.0		95.9	63.5-145				
Surrogate: Toluene-d8	49.9		"	50.0		99.8	81.2-127				
LCS (BH20073-BS1)						Prepared & Analyzed: 08/02/2012					
1,1,1,2-Tetrachloroethane	64		ug/L	50.0		128	71.7-135				
1,1,1-Trichloroethane	62		"	50.0		124	72.6-137				
1,1,2,2-Tetrachloroethane	54		"	50.0		109	65.4-135				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	58		"	50.0		116	70-130				
1,1,2-Trichloroethane	55		"	50.0		110	68.6-132				
1,1-Dichloroethane	60		"	50.0		120	71.7-131				
1,1-Dichloroethylene	61		"	50.0		121	74.4-148				
1,2,4-Trichlorobenzene	60		"	50.0		119	70-130				
1,2-Dibromo-3-chloropropane	62		"	50.0		124	53.3-149				
1,2-Dibromoethane	57		"	50.0		114	72.7-134				
1,2-Dichlorobenzene	60		"	50.0		120	71.6-125				
1,2-Dichloroethane	62		"	50.0		123	68.7-136				
1,2-Dichloropropane	57		"	50.0		113	68.2-136				
1,3-Dichlorobenzene	60		"	50.0		121	69.8-129				
1,4-Dichlorobenzene	62		"	50.0		123	71.3-129				
2-Butanone	53		"	50.0		107	51.9-137				
2-Hexanone	56		"	50.0		111	51.6-150				
4-Methyl-2-pentanone	57		"	50.0		114	50.6-142				
Acetone	45		"	50.0		90.7	16-155				
Acrolein	48		"	50.0		95.2	40.1-91.7	High Bias			
Acrylonitrile	58		"	50.0		116	65.6-134				
Benzene	58		"	50.0		116	70.4-128				
Bromodichloromethane	63		"	50.0		126	70.6-136				
Bromoform	64		"	50.0		129	63.2-139				
Bromomethane	54		"	50.0		108	50.2-135				
Carbon disulfide	120		"	100		117	40.4-124				
Carbon tetrachloride	67		"	50.0		133	71.9-140				
Chlorobenzene	62		"	50.0		125	76.4-127				
Chloroethane	51		"	50.0		103	50.8-142				
Chloroform	61		"	50.0		122	73.6-132				
Chloromethane	42		"	50.0		84.8	32.9-131				
cis-1,2-Dichloroethylene	57		"	50.0		114	69.5-128				
cis-1,3-Dichloropropylene	63		"	50.0		127	66.6-129				
Dibromochloromethane	63		"	50.0		126	71.4-135				
Dibromomethane	62		"	50.0		124	72.3-133				
Dichlorodifluoromethane	32		"	50.0		64.6	39.4-108				
Ethyl Benzene	64		"	50.0		127	75.2-131				
Hexachlorobutadiene	61		"	50.0		121	60.5-130				
Isopropylbenzene	66		"	50.0		131	73.7-136				
Methyl acetate	74		"	50.0		149	52.2-158				
Methyl tert-butyl ether (MTBE)	58		"	50.0		116	56.5-140				
Methylene chloride	55		"	50.0		109	58.4-120				
o-Xylene	60		"	50.0		119	70.4-126				
p- & m- Xylenes	130		"	100		125	73.8-130				
p-Isopropyltoluene	64		"	50.0		128	71.1-131				
Styrene	60		"	50.0		119	71.7-126				
tert-Butyl alcohol (TBA)	960		"	900		107	23-150				
Tetrachloroethylene	62		"	50.0		124	65-168				

Volatile Organic Compounds by EPA SW846-8260B - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH20073 - EPA 5035B											
LCS (BH20073-BS1)						Prepared & Analyzed: 08/02/2012					
Toluene	62		ug/L	50.0		123	72.5-127				
trans-1,2-Dichloroethylene	60		"	50.0		121	62.2-144				
trans-1,3-Dichloropropylene	63		"	50.0		126	66-135				
Trichloroethylene	60		"	50.0		121	72.6-133				
Trichlorofluoromethane	57		"	50.0		114	51.5-131				
Vinyl Chloride	48		"	50.0		95.0	47-126				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>52.1</i>		<i>"</i>	<i>50.0</i>		<i>104</i>	<i>72.6-129</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>49.4</i>		<i>"</i>	<i>50.0</i>		<i>98.8</i>	<i>63.5-145</i>				
<i>Surrogate: Toluene-d8</i>	<i>49.9</i>		<i>"</i>	<i>50.0</i>		<i>99.8</i>	<i>81.2-127</i>				
LCS Dup (BH20073-BSD1)						Prepared & Analyzed: 08/02/2012					
1,1,1,2-Tetrachloroethane	59		ug/L	50.0		118	71.7-135		8.40	22.3	
1,1,1-Trichloroethane	56		"	50.0		113	72.6-137		9.78	22.5	
1,1,2,2-Tetrachloroethane	48		"	50.0		96.9	65.4-135		11.8	23.8	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	52		"	50.0		105	70-130		10.4	30	
1,1,2-Trichloroethane	50		"	50.0		99.1	68.6-132		10.6	22.6	
1,1-Dichloroethane	55		"	50.0		110	71.7-131		8.37	22.8	
1,1-Dichloroethylene	54		"	50.0		107	74.4-148		12.1	26.8	
1,2,4-Trichlorobenzene	54		"	50.0		108	70-130		10.1	30	
1,2-Dibromo-3-chloropropane	55		"	50.0		110	53.3-149		11.9	29.1	
1,2-Dibromoethane	53		"	50.0		106	72.7-134		7.08	21.1	
1,2-Dichlorobenzene	52		"	50.0		105	71.6-125		13.5	22.8	
1,2-Dichloroethane	57		"	50.0		113	68.7-136		8.14	21.6	
1,2-Dichloropropane	52		"	50.0		103	68.2-136		9.17	22.5	
1,3-Dichlorobenzene	53		"	50.0		106	69.8-129		13.2	23.3	
1,4-Dichlorobenzene	55		"	50.0		111	71.3-129		10.6	23.9	
2-Butanone	51		"	50.0		103	51.9-137		3.86	32.2	
2-Hexanone	49		"	50.0		97.4	51.6-150		13.1	34	
4-Methyl-2-pentanone	51		"	50.0		103	50.6-142		10.5	15.5	
Acetone	44		"	50.0		88.1	16-155		2.89	51	
Acrolein	43		"	50.0		85.8	40.1-91.7		10.4	32.6	
Acrylonitrile	54		"	50.0		107	65.6-134		7.74	18.3	
Benzene	52		"	50.0		105	70.4-128		10.0	21.8	
Bromodichloromethane	57		"	50.0		114	70.6-136		10.1	22.7	
Bromoform	56		"	50.0		112	63.2-139		13.5	23.3	
Bromomethane	47		"	50.0		94.0	50.2-135		14.2	29.1	
Carbon disulfide	100		"	100		103	40.4-124		13.0	25.2	
Carbon tetrachloride	60		"	50.0		120	71.9-140		10.6	22.4	
Chlorobenzene	56		"	50.0		111	76.4-127		11.5	21.8	
Chloroethane	45		"	50.0		90.5	50.8-142		12.6	24	
Chloroform	56		"	50.0		111	73.6-132		9.44	21.9	
Chloromethane	39		"	50.0		78.3	32.9-131		7.90	22.8	
cis-1,2-Dichloroethylene	54		"	50.0		107	69.5-128		6.18	22	
cis-1,3-Dichloropropylene	57		"	50.0		115	66.6-129		10.1	22.7	
Dibromochloromethane	58		"	50.0		117	71.4-135		7.81	22.1	
Dibromomethane	57		"	50.0		114	72.3-133		7.94	23.1	
Dichlorodifluoromethane	29		"	50.0		58.7	39.4-108		9.44	26	
Ethyl Benzene	57		"	50.0		115	75.2-131		10.1	22.5	
Hexachlorobutadiene	55		"	50.0		110	60.5-130		10.2	25.4	
Isopropylbenzene	58		"	50.0		115	73.7-136		13.0	23.2	
Methyl acetate	66		"	50.0		132	52.2-158		11.8	7.04	Non-dir.
Methyl tert-butyl ether (MTBE)	54		"	50.0		108	56.5-140		7.25	30.6	
Methylene chloride	48		"	50.0		96.1	58.4-120		13.0	23.8	
o-Xylene	54		"	50.0		108	70.4-126		9.45	22.7	

Volatile Organic Compounds by EPA SW846-8260B - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BH20073 - EPA 5035B

LCS Dup (BH20073-BSD1)

Prepared & Analyzed: 08/02/2012

p- & m- Xylenes	110		ug/L	100		113	73.8-130		10.3	23	
p-Isopropyltoluene	56		"	50.0		112	71.1-131		13.2	23.4	
Styrene	54		"	50.0		108	71.7-126		9.88	21.9	
tert-Butyl alcohol (TBA)	860		"	900		96.0	23-150		10.8	6.32	Non-dir.
Tetrachloroethylene	56		"	50.0		112	65-168		10.2	27.9	
Toluene	55		"	50.0		111	72.5-127		10.5	22.9	
trans-1,2-Dichloroethylene	54		"	50.0		108	62.2-144		10.9	24.6	
trans-1,3-Dichloropropylene	57		"	50.0		114	66-135		10.1	23	
Trichloroethylene	55		"	50.0		109	72.6-133		10.0	21.9	
Trichlorofluoromethane	52		"	50.0		103	51.5-131		9.56	24.2	
Vinyl Chloride	41		"	50.0		81.8	47-126		15.0	25.5	
Surrogate: 1,2-Dichloroethane-d4	52.6		"	50.0		105	72.6-129				
Surrogate: p-Bromofluorobenzene	50.4		"	50.0		101	63.5-145				
Surrogate: Toluene-d8	50.3		"	50.0		101	81.2-127				

Organochlorine Pesticides by EPA SW 846-8081 - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BH20002 - EPA 3550B

Blank (BH20002-BLK1)

Prepared & Analyzed: 08/01/2012

Toxaphene	ND	16.7	ug/kg wet								
Methoxychlor	ND	1.65	"								
Heptachlor epoxide	ND	0.330	"								
Heptachlor	ND	0.330	"								
gamma-Chlordane	ND	0.330	"								
gamma-BHC (Lindane)	ND	0.330	"								
Endrin ketone	ND	0.330	"								
Endrin aldehyde	ND	0.330	"								
Endrin	ND	0.330	"								
Endosulfan sulfate	ND	0.330	"								
Endosulfan II	ND	0.330	"								
Endosulfan I	ND	0.330	"								
Dieldrin	ND	0.330	"								
delta-BHC	ND	0.330	"								
Chlordane, total	ND	1.32	"								
beta-BHC	ND	0.330	"								
alpha-Chlordane	ND	0.330	"								
alpha-BHC	ND	0.330	"								
Aldrin	ND	0.330	"								
4,4'-DDT	ND	0.330	"								
4,4'-DDE	ND	0.330	"								
4,4'-DDD	ND	0.330	"								
<i>Surrogate: Tetrachloro-m-xylene</i>	58.6		"	67.0		87.5	30-150				
<i>Surrogate: Decachlorobiphenyl</i>	56.6		"	67.0		84.6	30-150				

LCS (BH20002-BS1)

Prepared & Analyzed: 08/01/2012

Methoxychlor	29.8	1.65	ug/kg wet	33.3		89.5	40-140				
Heptachlor epoxide	26.9	0.330	"	33.3		80.8	40-140				
Heptachlor	26.8	0.330	"	33.3		80.5	40-140				
gamma-Chlordane	28.5	0.330	"	33.3		85.4	40-140				
gamma-BHC (Lindane)	28.1	0.330	"	33.3		84.3	40-140				
Endrin ketone	30.7	0.330	"	33.3		92.0	40-140				
Endrin aldehyde	28.0	0.330	"	33.3		83.9	40-140				
Endrin	28.7	0.330	"	33.3		86.0	40-140				
Endosulfan sulfate	29.1	0.330	"	33.3		87.3	40-140				
Endosulfan II	30.1	0.330	"	33.3		90.4	40-140				
Endosulfan I	29.4	0.330	"	33.3		88.1	40-140				
Dieldrin	29.8	0.330	"	33.3		89.5	40-140				
delta-BHC	28.7	0.330	"	33.3		86.2	40-140				
beta-BHC	32.1	0.330	"	33.3		96.3	40-140				
alpha-Chlordane	29.2	0.330	"	33.3		87.7	40-140				
alpha-BHC	29.6	0.330	"	33.3		88.8	40-140				
Aldrin	28.6	0.330	"	33.3		85.8	40-140				
4,4'-DDT	32.8	0.330	"	33.3		98.5	40-140				
4,4'-DDE	27.1	0.330	"	33.3		81.3	40-140				
4,4'-DDD	31.5	0.330	"	33.3		94.6	40-140				
<i>Surrogate: Tetrachloro-m-xylene</i>	64.4		"	67.0		96.1	30-150				
<i>Surrogate: Decachlorobiphenyl</i>	58.0		"	67.0		86.6	30-150				

Organochlorine Pesticides by EPA SW 846-8081 - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BH20002 - EPA 3550B

Matrix Spike (BH20002-MS1)		*Source sample: 12G0911-01 (Composite)					Prepared & Analyzed: 08/01/2012				
Methoxychlor	29.4	18.3	ug/kg dry	37.0	ND	79.3	30-150				
Heptachlor epoxide	25.1	3.67	"	37.0	ND	67.9	30-150				
Heptachlor	25.0	3.67	"	37.0	ND	67.5	30-150				
gamma-Chlordane	24.5	3.67	"	37.0	ND	66.1	30-150				
gamma-BHC (Lindane)	24.4	3.67	"	37.0	ND	65.8	30-150				
Endrin ketone	30.9	3.67	"	37.0	ND	83.5	30-150				
Endrin aldehyde	27.1	3.67	"	37.0	ND	73.1	30-150				
Endrin	27.2	3.67	"	37.0	ND	73.4	30-150				
Endosulfan sulfate	24.7	3.67	"	37.0	ND	66.8	30-150				
Endosulfan II	25.3	3.67	"	37.0	ND	68.4	30-150				
Endosulfan I	24.1	3.67	"	37.0	ND	65.1	30-150				
Dieldrin	24.8	3.67	"	37.0	ND	66.9	30-150				
delta-BHC	21.4	3.67	"	37.0	ND	57.8	30-150				
beta-BHC	24.9	3.67	"	37.0	ND	67.2	30-150				
alpha-Chlordane	26.4	3.67	"	37.0	ND	71.4	30-150				
alpha-BHC	23.4	3.67	"	37.0	ND	63.2	30-150				
Aldrin	22.4	3.67	"	37.0	ND	60.5	30-150				
4,4'-DDT	29.1	3.67	"	37.0	ND	78.6	30-150				
4,4'-DDE	21.6	3.67	"	37.0	ND	58.4	30-150				
4,4'-DDD	25.1	3.67	"	37.0	ND	67.7	30-150				
Surrogate: Tetrachloro-m-xylene	25.4		"	74.5		34.1	30-150				
Surrogate: Decachlorobiphenyl	31.3		"	74.5		42.1	30-150				

Matrix Spike Dup (BH20002-MSD1)		*Source sample: 12G0911-01 (Composite)					Prepared & Analyzed: 08/01/2012				
Methoxychlor	33.4	18.3	ug/kg dry	37.0	ND	90.1	30-150	12.7	30		
Heptachlor epoxide	25.2	3.67	"	37.0	ND	67.9	30-150	0.118	30		
Heptachlor	25.0	3.67	"	37.0	ND	67.5	30-150	0.0296	30		
gamma-Chlordane	25.0	3.67	"	37.0	ND	67.6	30-150	2.18	30		
gamma-BHC (Lindane)	23.6	3.67	"	37.0	ND	63.6	30-150	3.40	30		
Endrin ketone	30.4	3.67	"	37.0	ND	82.2	30-150	1.56	30		
Endrin aldehyde	27.5	3.67	"	37.0	ND	74.2	30-150	1.53	30		
Endrin	26.9	3.67	"	37.0	ND	72.6	30-150	1.16	30		
Endosulfan sulfate	25.7	3.67	"	37.0	ND	69.4	30-150	3.77	30		
Endosulfan II	25.4	3.67	"	37.0	ND	68.5	30-150	0.161	30		
Endosulfan I	23.8	3.67	"	37.0	ND	64.2	30-150	1.31	30		
Dieldrin	24.0	3.67	"	37.0	ND	64.9	30-150	3.07	30		
delta-BHC	21.8	3.67	"	37.0	ND	58.9	30-150	1.78	30		
beta-BHC	24.7	3.67	"	37.0	ND	66.8	30-150	0.582	30		
alpha-Chlordane	26.7	3.67	"	37.0	ND	72.2	30-150	1.11	30		
alpha-BHC	22.4	3.67	"	37.0	ND	60.5	30-150	4.35	30		
Aldrin	22.7	3.67	"	37.0	ND	61.3	30-150	1.22	30		
4,4'-DDT	30.1	3.67	"	37.0	ND	81.3	30-150	3.34	30		
4,4'-DDE	22.1	3.67	"	37.0	ND	59.6	30-150	2.00	30		
4,4'-DDD	25.1	3.67	"	37.0	ND	67.8	30-150	0.177	30		
Surrogate: Tetrachloro-m-xylene	46.7		"	74.5		62.7	30-150				
Surrogate: Decachlorobiphenyl	47.8		"	74.5		64.2	30-150				

Polychlorinated Biphenyls (PCB) by EPA SW 846-8082/EPA Compendium Methods - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
---------	--------	--------------------	-------	----------------	-------------------	------	----------------	------	-----	--------------	------

Batch BH20002 - EPA 3550B

Blank (BH20002-BLK1)

Prepared & Analyzed: 08/01/2012

Aroclor 1016	ND	0.0170	mg/kg wet								
Aroclor 1221	ND	0.0170	"								
Aroclor 1232	ND	0.0170	"								
Aroclor 1242	ND	0.0170	"								
Aroclor 1248	ND	0.0170	"								
Aroclor 1254	ND	0.0170	"								
Aroclor 1260	ND	0.0170	"								
Aroclor 1262	ND	0.0170	"								
Aroclor 1268	ND	0.0170	"								
Total PCBs	ND	0.0170	"								
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>0.0537</i>		<i>"</i>	<i>0.0670</i>		<i>80.1</i>	<i>30-150</i>				
<i>Surrogate: Decachlorobiphenyl</i>	<i>0.0593</i>		<i>"</i>	<i>0.0670</i>		<i>88.6</i>	<i>30-150</i>				

LCS (BH20002-BS2)

Prepared & Analyzed: 08/01/2012

Aroclor 1016	0.276	0.0170	mg/kg wet	0.333		82.9	40-140				
Aroclor 1260	0.314	0.0170	"	0.333		94.1	40-140				
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>0.0627</i>		<i>"</i>	<i>0.0670</i>		<i>93.5</i>	<i>30-150</i>				
<i>Surrogate: Decachlorobiphenyl</i>	<i>0.0680</i>		<i>"</i>	<i>0.0670</i>		<i>101</i>	<i>30-150</i>				

Metals by EPA 6000 Series Methods - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BH20054 - EPA 3050B

Blank (BH20054-BLK1)

Prepared & Analyzed: 08/01/2012

Aluminum	ND	2.00	mg/kg wet
Antimony	ND	0.500	"
Arsenic	ND	1.00	"
Barium	ND	0.500	"
Beryllium	ND	0.100	"
Cadmium	ND	0.500	"
Calcium	ND	2.00	"
Chromium	ND	0.500	"
Cobalt	ND	0.500	"
Copper	ND	0.500	"
Iron	ND	1.00	"
Lead	ND	0.300	"
Magnesium	ND	2.00	"
Manganese	ND	1.00	"
Nickel	ND	0.500	"
Potassium	ND	10.0	"
Selenium	ND	0.500	"
Silver	ND	0.500	"
Sodium	ND	10.0	"
Thallium	ND	0.500	"
Vanadium	ND	0.500	"
Zinc	ND	0.500	"

Reference (BH20054-SRM1)

Prepared & Analyzed: 08/01/2012

Aluminum	6830	2.00	mg/kg wet	8400	81.3	40.6-160
Antimony	71.9	0.500	"	93.3	77.0	24.8-272
Arsenic	91.5	1.00	"	94.5	96.8	69.2-131
Barium	165	0.500	"	167	98.8	72.5-127
Beryllium	55.1	0.100	"	57.6	95.6	73.3-127
Cadmium	58.9	0.500	"	60.5	97.3	73.2-127
Calcium	5860	2.00	"	6140	95.5	73.9-126
Chromium	67.6	0.500	"	70.4	96.0	68.5-132
Cobalt	103	0.500	"	102	101	74.5-125
Copper	84.9	0.500	"	79.6	107	73.6-126
Iron	10100	1.00	"	12500	80.8	31-169
Lead	90.3	0.300	"	91.8	98.3	70.3-130
Magnesium	2250	2.00	"	2580	87.0	63.6-136
Manganese	269	1.00	"	283	95.0	73.9-125
Nickel	62.3	0.500	"	57.6	108	70-130
Potassium	2500	10.0	"	2490	100	60.6-139
Selenium	87.3	0.500	"	86.4	101	64-137
Silver	34.9	0.500	"	34.4	101	65.7-135
Sodium	213	10.0	"	215	99.3	26.7-174
Thallium	116	0.500	"	120	97.0	67.3-132
Vanadium	51.2	0.500	"	57.0	89.8	53.7-146
Zinc	134	0.500	"	140	95.9	67.4-133

Mercury by EPA 7000/200 Series Methods - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BH20017 - EPA SW846-7471**Blank (BH20017-BLK1)**

Prepared & Analyzed: 08/01/2012

Mercury	ND	0.100	mg/kg wet
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LCS (BH20017-BS1)

Prepared & Analyzed: 08/01/2012

Mercury	2.92		mg/kg	2.96		98.6	80-120
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Wet Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BH20015 - Analysis Preparation Soil**Blank (BH20015-BLK1)**

Prepared: 08/01/2012 Analyzed: 08/02/2012

Cyanide, total ND 0.500 mg/kg wet

Duplicate (BH20015-DUP1) *Source sample: 12G0911-01 (Composite)

Prepared: 08/01/2012 Analyzed: 08/02/2012

Cyanide, total 1.67 0.556 mg/kg dry 1.67 0.00 15

Matrix Spike (BH20015-MS1) *Source sample: 12G0911-01 (Composite)

Prepared: 08/01/2012 Analyzed: 08/02/2012

Cyanide, total 11.7 0.556 mg/kg dry 11.1 1.67 90.0 79.6-107

Reference (BH20015-SRM1)

Prepared: 08/01/2012 Analyzed: 08/02/2012

Cyanide, total 38.3 ug/mL 37.1 103 39.1-161

Batch BH20125 - EPA SW846-3060**Blank (BH20125-BLK1)**

Prepared & Analyzed: 08/03/2012

Chromium, Hexavalent ND 0.500 mg/kg wet

Reference (BH20125-SRM1)

Prepared & Analyzed: 08/03/2012

Chromium, Hexavalent 173 mg/L 218 79.4 70.6-129

Notes and Definitions

QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL); therefore, the result is an estimated concentration.
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants. Data users should consider anything <10x the blank value as artifact.
<hr/>	
ND	Analyte NOT DETECTED at the stated Reporting Limit (RL) or above.
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
MDL	METHOD DETECTION LIMIT - the minimum concentration that can be measured and reported with a 99% confidence that the concentration is greater than zero. If requested or required, a value reported below the RL and above the MDL is considered estimated and is noted with a "J" flag.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

Revision Description: Revised SVOA n-nitroso-di-n-propylamine results. Lesser dilution reported as requested by the client.

YORK

ANALYTICAL LABORATORIES, INC.
120 RESEARCH DR. STRATFORD, CT 06615
(203) 325-1371 FAX (203) 357-0166

Field Chain-of-Custody Record

Page of

NOTE: York's Std. Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions unless superseded by written contract.

York Project No. 12G0911

YOUR Information

Company: GeoQuest, Inc.
Address: 3 Barnard Ln
Bloomfield, CT 06002
Phone No. 860-243-1257
Contact Person: Bill Hughes

Report To:

Company: Genl
Address:
Phone No.
Attention:

Invoice To:

Company: Genl
Address:
Phone No.
Attention:

E-Mail Address: B.HUGHES@GEOQUEST.ENC.COM

Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.

Bill Hughes
Samples Collected/Authorized By (Signature)

Bill Hughes
Name (printed)

YOUR Project ID

1531

Purchase Order No.
1531

Samples from: CT NY NJ

Turn-Around Time

RUSH - Same Day ☐
RUSH - Next Day ☐
RUSH - Two Day ☐
RUSH - Three Day ☐
RUSH - Four Day ☐
Standard (5-7 Days) ☒

Report Type

Summary Report
Summary w/ QA Summary
CT RCP Package
CT RCP DOA/DUE Pkg
NY ASP A Package
NY ASP B Package
NJDEP Red. Deliv. X
Electronic Data Deliverables (EDD)

Simple Excel
NYSDEC EQulS
EQulS (std)
EZ-EDD (EQulS)
NJDEP SRP HazSite EDD
GIS/KEY (std)
Other
York Regulatory Comparison
Excel Spreadsheet
Compare to the following Regs. (please fill in):

Matrix Codes
S - soil
Other - specify (oil, etc.)
WW - wastewater
GW - groundwater
DW - drinking water
Air-A - ambient air
Air-SV - soil vapor

Sample Matrix

Soil
Soil

Date Sampled

7-27-12
7-27-12

Sample Identification

Composite
CS-1

Choose Analyses Needed from the Menu Above and Enter Below

2-8 of Glass Jars
3-5 of encorex

Container

Description(s)

Preservation

Check those Applicable
Special Instructions
Field Filtered ☐
Lab to Filter ☐

4°C ☒ Frozen ☐ HCl ☐ MeOH ☐ NaOH ☐

Other

Temperature on Receipt 4.0 °C

Comments Fill contains pos of asphalt.

Bill Hughes 7-27-12 3:15
Samples Relinquished By Date/Time

Spence 7-27-12 1515
Samples Received By Date/Time

Samples Relinquished By Date/Time

Samples Received in LAB by Date/Time

1993

*SUBSURFACE INVESTIGATION
AT MORGAN TERMINAL
200 MORGAN AVENUE
BROOKLYN, NEW YORK
SPILL # 92-11657*



***Fenley & Nicol
Environmental***



"SOLUTIONS AT WORK"™

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(516) 586-4900 • NYC (718) 204-4993

FAX (516) 586-4920

**SUBSURFACE INVESTIGATION
AT MORGAN TERMINAL
200 MORGAN AVENUE
BROOKLYN, NEW YORK
SPILL # 92-11657**

**PREPARED FOR: NYSDEC REGION II
47-40 21st STREET
LONG ISLAND CITY, NEW YORK 11101**

ATTN: MR. ANTHONY SIGONA

**PREPARED BY: FENLEY & NICOL ENVIRONMENTAL
445 BROOK AVENUE
DEER PARK, NEW YORK 11729
MR. MOSTAFA EL SEHAMY
(516) 586-4900 EXT.462**

PREPARED ON: MARCH 6, 1993

JOB #70583

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1.0 INTRODUCTION

1.1 Background

The New York State Department of Environmental Conservation Region II (NYSDEC), retained Fenley & Nicol Environmental (F&N) to perform a subsurface (soil and groundwater) investigation, tank testing, and environmental sampling at NYSDEC spill site #92-09135 located at 200 Morgan Avenue, Brooklyn, New York (*hereinafter referred to as the "site"; see Figure 1.1).*

1.2 Purpose and Scope

The purpose of this study was to:

- 1) identify the extent of hydrocarbon products in the soil and groundwater on-site.
- 2) identify the existence of hazardous materials in the storage tanks, soils, and groundwater.
- 3) determine the integrity of existing underground storage tanks via tank testing.

The scope of this investigation included:

- 1) review of existing reports, records, and data to determine regional geology and hydrogeology.
- 2) analysis of existing data, development and implementation of a ground water contamination investigation.
- 3) installation of monitoring wells by F&N drillers.
- 4) sampling of newly installed wells to determine water quality and type of hydrocarbons present.
- 5) sampling and analysis (Toxicity Characteristic Leachate Procedure, TCLP) of oil product from two newly installed wells containing product of thicknesses greater than six inches.
- 6) sampling of the existing aboveground storage tanks, oil/water separator, existing 55-gallon drums, and on-site leaching pool.

- 7) - development of water table contour maps and floating product maps.
- 8) - reporting and recommendations.

1.3 Study Approach

A two-phased investigation was used to identify the source of petroleum hydrocarbons and hazardous materials at the site:

Phase-I reviewed existing water quality data, hydrogeologic information, well construction records for the installation of twenty groundwater monitoring wells (FN-1 through FN-20) on and around the site. In addition, F&N obtained product samples from the existing aboveground storage tanks.

Phase-II assessed water quality and hydrogeologic data collected during Phase-I.

1.4 Regional Geology and Hydrogeology

The site is located in Brooklyn, at the western end of Long Island. The basement rocks are Pre-Cambrian schist, gneiss, limestone, and granodiorite. The oldest (deepest) of the unconsolidated materials is the Raritan Formation composed of a sand member (the Lloyd Aquifer) and a clay member (the Raritan Clay). Overlying most of the Raritan Formation is the Magothy Aquifer that is composed of interbedded clays, sands and gravels. The surface of this aquifer is irregular, as it was eroded in many places prior to subsequent deposition.

Upper Pleistocene Age glacial deposits overlie the majority of Brooklyn, sitting unconformably above the underlying strata. Three types of glacial remnants remain: the Harbor Hill Moraine which runs from the southwest to the northeast of Brooklyn. Southeast of the moraine are broad outwash plains, and northwest are ground

moraine deposits. These glacial deposits are collectively referred to as the Upper Glacial Aquifer.

In ground morainal deposits, water is often confined in perched layers due to the complex interbedding of sand, gravel and clay; low yield can be anticipated. The surface areas of Brooklyn, not covered by glacial material, are covered with shore and salt marsh deposits (recent) or non-native fill material. This material has no value for substantial production of fresh groundwater.

1.5 Site Geology

Field Exploration Program: A field exploration program consisting of soil borings and observation well installation. This work was undertaken to determine the extent of the floating hydrocarbons/product on-site and the formation characteristics below the fill layer. Soil borings were conducted to a depth of 11 to 12 feet below grade and observation wells were installed in the fill above the organic soils (where present).

As revealed during the installation of the twenty monitoring wells, the site is underlain by dark, very loose to medium compacted, fine to medium-grained sand with a trace pebbles, silt, brick, and concrete. The predominant native formation consists of fine to medium sand with traces of pebbles. At 12 feet a peat layer consisting of very soft to medium compacted peat and/or organic silt with trace plant fibers and fine sand was encountered. Groundwater is generally encountered between two feet and six feet below grade.

1.6 Land Use

Neighboring land uses (ie: along Morgan Avenue and Schloes Street) are predominantly industrial and commercial. There are no residential developments adjacent to the site.

2.0 MONITORING AND SAMPLING PROGRAM

2.1 Monitoring Well Site Selection

Review of existing hydrogeologic reference material was conducted to assist in the development of a monitoring well installation program. This included a review of the hydrogeology as described by U.S. Geological Survey Water Supply Paper 201-A and the water table data from the existing wells on-site. Based upon this data, preliminary well placement was selected and confirmed in the field. On December 31, 1992 through January 6, 1993, twenty groundwater monitoring wells were installed at the site.

2.2 Drilling Methods

F&N installed monitoring wells with hollow stem augers and air rotary hammer drilling. Although augers were used for the first three wells, existing fill material required the use of air rotary to install the remaining wells. In this method the casing is advanced during drilling, and cuttings are removed by blowing compressed air through the drilling rods. This method is rapid, provides borehole stability, and introduces negligible amounts of drilling fluid (water) into the formation. Drill cuttings were continuously logged during drilling. The air rotary hammer installation produced a six-inch diameter borehole. Continued real time air monitoring was conducted with a Century (Foxboro) Model 128 Organic Vapor Analyzer (OVA).

2.3 Monitoring Well Construction

Monitoring wells were constructed following NYSDEC's State Superfund Phase-II protocol. The wells were set flush to grade and constructed with schedule 40, 4-inch flush joint threaded NSF approved Polyvinyl Chloride (PVC) casing, and a 0.020 inch machine slot NSF approved 4-inch PVC well screen. The well screen was packed with Morie #1 gravel to a minimum of two feet above the top of the well screen. A two foot bentonite seal was placed above the gravel pack. The remaining annular space was grouted to grade with a cement/bentonite slurry. A locking cap was installed at the top of each well casing and cemented flush to grade in a vaulted valve box (see *Appendix A*).

2.4 Well Logging

Drill cuttings from the boreholes were continuously logged by a trained hydrogeologist.

2.5 Well Construction QA/QC

Between each well the drill rig and all down hole drilling equipment was thoroughly steam cleaned to prevent cross contamination.

2.6 Water Levels

After well construction, the elevation of the top of the PVC casing was determined to the nearest hundredth of a foot above mean sea level by an F&N survey crew. Water levels were recorded prior to each sampling effort to determine the volume of groundwater to be purged per well.

2.7 Soil Quality Sampling

The objective of the soil sampling program was to determine the vertical extent of contamination in the fill zone and to determine if the soil should be classified as a hazardous waste. All soil samples were obtained by a split spoon sampler and field screened with a Gas Chromatograph (GC) and an Organic Vapor Analyzer (OVA). Soil samples with the highest detections from each well were sent to a New York Certified Laboratory for analysis. A total of sixty-five soil samples were sent to a NYS Certified Laboratory for analysis. The fill zone was estimated to be approximately 12 feet thick. All soil samples were obtained using a cleaned split spoon sampler.

Each split spoon was cleaned as follows:

- 1) - Removal of visible debris.
- 2) - Washed in a three bucket bath containing an Alconox soap/water mixture in one bucket, a water rinse to clean soap residue from split spoon casings in the second bucket, and a distilled water rinse in the third bucket.
- 3) - Split spoon casings were rinsed with methanol and left to air dry.
- 4) - Split spoon casings were rinsed with distilled water and left to air dry.

During soil sampling, a new pair of disposable plastic gloves were used to collect each sample. The composite samples were placed in laboratory supplied sample jars, labeled, and stored in a cooler at 4 degrees C. All composite soil samples were tested for TCLP and EPA Method 8240 parameters. All laboratory procedures complied with USEPA contract laboratory procedures. A chain-of-custody form was maintained during transportation of the empty sample jars from the lab to the site, as well as, transportation of the full sample jars back to the lab.

2.8 Water Quality Sampling

The twenty newly installed monitoring wells were sampled on February 3 and 4, 1993. Three to five well volumes of groundwater were purged from each well prior to sampling. Well purging was completed with a Grundfos brand (14 X 4p 1/2) horsepower submersible pump. Well pumps or intake hoses were set just below the stabilized drawdown water level during purging to ensure the purging of all standing water in the well casing. Groundwater sampling was completed following USEPA protocol with decontaminated bottom loading teflon bailers. Dedicated nylon rope and dedicated vinyl gloves were used at each well and subsequently discarded. Wells containing floating product were sampled with disposable bailers. Groundwater samples and oil products were poured from the bailer into the appropriate sample bottles in such a way as to minimize agitation and to prevent excessive aeration.

All samples were stored on ice until delivery to Ecotest Laboratories, North Babylon, New York. Chain-of-custody and sampling sheets were maintained for each sampling event and are enclosed in **Appendix B**.

2.9 Water Sampling QA/QC

Quality assurance and quality control (QA/QC) measures used during groundwater sampling included the decontamination of all purging and sampling equipment prior to, and in between, sampling efforts via NYSDEC Superfund Phase-II protocol. The submersible pump and its associated PVC piping and electrical wiring were cleaned with a mixture of Alconox and distilled water. The teflon bailers were decontaminated with an Alconox and distilled water rinse, a methanol/distilled water rinse, and finished with a distilled water rinse.

Prior to the sampling of each monitoring well, a bottom loading teflon bailer was decontaminated in an Alconox and fresh water rinse. Dedicated nylon rope and vinyl sampling gloves were used at each well and discarded. All samples were preserved on ice and delivered to Ecotest Laboratories for analysis.

2.10 Sampling Aboveground Storage Tanks

Sampling of all aboveground storage tanks was conducted by F&N and Pedneault Associates, Bohemia, NY, a NYS Certified Laboratory, on December 22, 1992. Although initial sampling of the seven tanks was performed in Level B personal protective equipment, this was downgraded to Level C.

All hydrocarbon samples were collected with disposable bailers, dedicated nylon rope, and dedicated vinyl gloves. The disposable bailers were used at each tank and discarded. All samples were stored on ice, delivered to the Pedneault Laboratory, and analyzed for TCLP volatiles and metals, flashpoint, pH, and PCBs.

The following is a list of sample locations (*see Figure 2*):

- 1) - Designated tank ST-7.
- 2) - Oil/Water Separator ST-1.
- 3) - Oil/water Separator ST-2.
- 4) - Storm Drain ST-3.
- 5) - Storm Drain ST-6.
- 6) - Composite of 55-gallon drum G-5 A, B, & C.
- 7) - Composite of 55-gallon drum G-4 A, B, & C

Hydrocarbon Sampling: All samples were sent to Pedneault Associates and analyzed for total TCLP parameters. The laboratory results indicate that all samples were detected with concentrations below the regulatory limits (see **Appendix C**).

Pedneault Sampling: On December 31, 1992, Pedneault Associates collected hydrocarbon samples from two above ground storage tanks (Tanks #1 & #5) and a waste oil tank on-site.

Tank #1

A twenty foot high tank is located at the south side of the plant, closest to Morgan Avenue. The tank has a 2.5 foot diameter tank nozzle (manway) above ground, with a 3.5 inch stickwell in the center. Five VOAs were taken from the manway. F&N was not able to obtain samples from the stickwell, as there was a screen above the product level. Equipment blanks were taken from the bailers prior to sampling. Field blanks were also taken at the time of the sampling.

Tank #5

A twenty foot high tank is located at the north side of the plant. The tank has a 2.5 foot diameter tank nozzle (manway) aboveground, with a 3.5 inch stickwell off center in the tank nozzle. Four VOAs were taken from the stickwell (drop tube). Equipment blanks were taken of the sampler for the stickwell prior to sampling. Three VOAs were taken from the manway with a new bailer. Equipment blanks were taken of the sampler for the manway prior to sampling.

Waste Oil Tank

A 250-gallon waste oil tank is located in the center of the site in front of a garage. Two VOAs were taken from the vent tube at the top of the tank. Equipment blanks were taken of the sample prior to sampling.

General

During sampling, absorbent pads were placed on the ground to preserve the integrity of the ground. All sampling equipment was placed in plastic bags after the samples were taken. All sampling equipment and the absorbent pads were brought back to the lab for proper disposal. Weather conditions were damp and foggy, and the temperature was approximately 45 - 50 degrees F.

Pedneault Sampling Results: All samples analyzed for Total TCLP parameters revealed concentrations below regulatory limits with the exception of sample point #1, at the bottom of the manway, and sample point #5, the manway (*see Appendix D*); these concentrations exceed regulatory limits for selenium.

2.11 Tank Testing

On January 8 & 12, 1993, F&N performed Petro and EZY-II tank testings in five underground storage tanks. Three of the five tanks contained gasoline and remaining two contained diesel fuel (*see Figure 2*). The five underground storage tanks were tested in accordance with the precision criteria established by the N.F.P.A. publication 329, or by the New York City Fire Department. All the tanks passed and the results are included in *Appendix E*.

2.12 Analytical Parameters

All groundwater samples were analyzed by Ecotest Laboratories, a New York State certified laboratory. Water samples were collected at each well and analyzed via NYSDOH method 310-13 for petroleum products. Two floating product samples collected from wells FN-11 and FN-17 were analyzed for TCLP and 310.13 parameters. TCLP was performed to determine if the hydrocarbon should be classified as a hazardous waste.

3.0 SITE INVESTIGATION RESULTS

3.1 Groundwater Quality Results

Table 13 through Table 17 summarize the analytical results of the first round of sampling for petroleum products (EPA Method 310.13) from each well and TCLP analyses on two floating product samples obtained from well FN-11 and FN-17. Laboratory data indicate that gasoline products exist in monitoring wells FN-2, FN-3, and FN-5. These monitoring wells are located adjacent to the underground storage tanks containing gasoline. Wells FN-1, FN-11, FN-12, FN-15, and FN-17 all contain high concentrations of #2 fuel oil ranging from 0.5 to 410,000 PPM. Two product samples were obtained from monitoring wells FN-11 and FN-17 and analyzed for TCLP parameters. The lab detected concentrations of lead (11 PPM) and chromium (9.7 PPM) which exceed the regulatory levels of 5 PPM.

3.2 Soil Sample Results

A total of sixty-five soil samples obtained at the Morgan Terminal site and were analyzed for selected parameters (see Table 1-12).

Seventeen samples were analyzed for EPA Method 8240 and forty-eight samples were analyzed for TCLP at the request of the NYSDEC personnel. Since there are currently no NYSDEC standards for soil quality, the New Jersey Department of Environmental Protection (NJDEP) Environmental Clean-up Responsibility Act (ECRA) action levels for soils and regulatory levels for TCLP will be used for interpretive comparison. Based upon the soil sampling results, a number of samples exceeded the NJDEP, ECRA action levels for selected parameters.

3.3 Groundwater Hydrogeology Test Results

Subsurface soil characteristics identified through borings indicate that two water bearing units exist at the site; these are the fill material and the organic soils the fill material overlays. At the present time, F&N has not determined if tidal actions will affect the water levels in the fill material above the organic soil. It is highly likely that the fill above the organic soil is behaving as an unconfined water bearing unit where groundwater is separated from the natural sand by the impermeable organic soil unit; this indicates that groundwater levels should not fluctuate in response to tidal actions.

The site's hydrogeologic characteristics (water table gradient, flow direction, and water table elevations) were determined during the installation of groundwater monitoring wells. The water table elevation, total depth, and depth to product in all wells were measured prior to sampling. Groundwater Contour Maps were developed from the measurements of water table depth prior to sampling. *Figure 2* indicates that the groundwater flow tends to be in a northeast direction (towards English Kills Creek).

4.0 CONCLUSIONS

In summary, this investigation has revealed a number of on-site concerns. Initial fuel oil samples were obtained by F&N and Pedneault Associates throughout the existing aboveground storage tanks, drums on-site, oil/water separator, and storm drains. F&N samples were sent to Pedneault Laboratories and analyzed for TCLP; results revealed concentrations below regulatory limits. All samples collected by Pedneault Associates were analyzed for TCLP and revealed elevated concentrations of Selenium in Tank #1 and Tank #5.

A total of twenty groundwater monitoring wells were installed on the site and surrounding vicinity; four monitoring wells were installed surrounding the underground storage tanks containing gasoline and sixteen other wells were installed surrounding the aboveground storage tanks containing fuel oil. The purpose of these wells was to determine the extent of floating product below the aboveground storage tank area and adjacent to the underground storage gasoline tanks.

The laboratory results of the soil samples obtained from the twenty borings showed concentrations of total volatiles in B-1 (1-2 ft), B-10 (4-6 ft), B-11 (4-6 ft), and B-17 (4-6 ft) exceeding the NJDEP ECRA action levels.

Laboratory results of groundwater samples obtained from the sixteen newly installed monitoring wells revealed gasoline in wells FN-2, FN-3, and FN-5. These monitoring wells are adjacent to the underground gasoline storage tanks, however, these tanks had passed recent integrity tests. This may indicate the gasoline could be from surface dumping or overfilling of the tanks.

Four product samples were obtained from wells FN-11, FN-12, FN-15, and FN-17; lab results indicate petroleum hydrocarbons (#2 fuel oil). Furthermore, TCLP analyses performed on product samples from wells FN-11 & FN-17 revealed concentrations of Chromium and Lead exceeding regulatory levels.

The site inspection revealed petroleum hydrocarbon/product contamination throughout the site including the barge loading areas, the trench behind the loading docks, the area surrounding the stairway leading to the aboveground fuel oil storage tanks, and in the soils near the aboveground storage tank area. It is significant to note that product was observed to be leaking from cracks in the aboveground storage tank; fuel oil was detected in monitoring wells FN-11, FN-12, and FN-15.

The soil borings installed on-site revealed that the subsurface formation consists of a fill layer and groundwater. In addition, the peat layer was encountered at a depth of 12 feet.

A Groundwater Contour Map reveals that groundwater flows towards the English Kills Creek, however, a mound of water exists under the aboveground storage tank area. At this time, F&N has not measured the on-site tidal effect.

A Floating Product Map indicates the area below the aboveground storage tank area has the highest concentrations of floating hydrocarbon/product with the hydrocarbon dispersing off-site towards the industrial workshop building.

In conclusion, analyses of soil, groundwater, and product samples indicate the site may be a candidate for listing as a NYSDEC Inactive Hazardous Waste Disposal Facility. However, additional sampling and investigations should be performed to

confirm previous results. Consequently, F&N recommends additional investigations to determine if this site can be classified as an Inactive Hazardous Waste Disposal Facility.

5.0 RECOMMENDATIONS

F&N recommends the following scope of work:

- 1) Installation of additional monitoring wells south of monitoring wells FN-11, FN-12, and FN-15 will isolate the area of concern.
- 2) A second round of sampling should be conducted at wells FN-11, FN-12, FN-15, and FN-17, as well as, the aboveground storage tanks #1 and #5. Also, all monitoring wells that did not contain floating hydrocarbons should be sampled for Volatile Organics and Semi-Volatile Organics via EPA Methods 624 and 625, respectively.
- 3) Perform a pump test to better define the aquifer characteristics above the peat layer.
- 4) All monitoring wells containing floating product should be vacuumed on a weekly basis.
- 5) All aboveground storage tanks should be pumped and properly cleaned.
- 6) All existing drums on-site should be disposed of properly.
- 7) The existing 550-gallon waste oil tank located at the front of the garage area should be pumped and disposed of properly.
- 8) The barge off-loading sumps should be cleaned and the wastes disposed of properly.
- 9) The loading dock drains should be cleaned and the waste materials disposed of properly.
- 10) The existing storm drains should be cleaned and the waste materials disposed of properly.
- 11) F&N proposes to design a remediation system to remediate the site.

F&N will provide a formal proposal for the recommended scope of work at the client's request.

APPENDICES

A - BORING LOGS

B - CHAIN-OF-CUSTODY

C - HYDROCARBON SAMPLING RESULTS (F&N)

D - HYDROCARBON SAMPLING RESULTS (PEDNEAULT ASSOCIATES)

E - TANK TESTING RESULTS

F - PHOTO LOGS

A - BORING LOGS





**Fenley & Nicol
Environmental**



**Fenley & Nicol
Environmental**



**Fenley & Nicol
Environmental**



B - CHAIN-OF-CUSTODY

PEDNEAULT ASSOCIATES
1615 NINTH AVENUE
BOHEMIA, NEW YORK 11716
(516) 467-8477

CLIENT: _____
ADDRESS: _____
PHONE: () _____

909-4

PROJECT NAME:

[illegible]

SAMPLERS NAME (PRINT): _____ SIGN: _____

RELINQUISHED BY:
(PRINT) _____
(SIGN) _____

DATE _____

TIME

AGENT OF:

10/27/22

5

RECEIVED BY:
(PRINT) _____
(SIGN) _____

DATE _____

TIME

AGENT OF:

_____ / _____ / _____

•

RELINQUISHED BY:
(PRINT) _____
(SIGN) _____

DATE _____

TIME

AGENT OF:

____/____/____

RECEIVED BY:
(PRINT) _____
(SIGN) _____

DATE _____

TIME

AGENT OF:

11

:

RECEIVED FOR LAB BY:
(PRINT) _____
(SIGN) _____

DATE _____

TIME

AGENT OF:

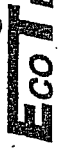
1. 2. 4. 5. 7. 2.

11.

1. 2. 3. 4.

REMARKS

BILL DIRECTLY TO NYSDREC REGION II



TEST LABORATORIES, INC. • ENVIRONMENTAL TESTING

377 Sheffield Avenue, North Babylon, New York 11703
(516) 422-5777 • FAX (516) 422-5770

CHAIN OF CUSTODY RECORD

Client: NYS DEC Region II
Address: Queens Village, NY
Phone: _____ FAX: _____
Person receiving report: Michael A. Schenck
Sampled by: Chris Larsen
Source: Morgan Terminal, Brooklyn, NY
Job No.: _____

TYPE & NUMBER OF CONTAINERS
TOTAL NUMBER OF CONTAINERS
1 (GLASS + COFFERS)

Analysis of Aged Environmental

2/5/93

MATRIX (Soil, Water, etc.)	COLLECTED		SAMPLE IDENTIFICATION		REMARKS-TESTS REQUIRED, SPECIAL TURNAROUND, SPECIAL Q.C. etc				
	DATE	TIME							
water	2/3		FN-1 (Monitoring well)		1	1	EPA 310.13		
water	2/3		FN-2		1	1	" "		
water	2/3		FN-3		1	1	" "		
water	2/3		FN-4		1	1	" "		
water	2/3		FN-5		1	1	" "		
water	2/3		FN-6		1	1	" "		
water	2/3		FN-7		1	1	" "		
water	2/3		FN-9		1	1	" "		
oil	2/3		FN-11		1	1	EPA 310.13, Total TCEP, Density Flashpoint		
oil/water	2/3		FN-12		1	1	EPA 310.13		
oil/water	2/3		FN-15		1	1	EPA 310.13		
oil	2/3		FN-17		1	1	EPA 310.13, Total TCEP, Density Flashpoint		

Relinquished by: (Signature) <u>Chris Larsen</u>	DATE/TIME <u>2/3/93</u>	SEAL INTACT? YES NO NA	Received by: (Signature) <u>Michael A. Schenck</u>	DATE/TIME <u>2/5/93</u>	SEAL INTACT? YES NO NA	Relinquished by: (Signature) Representing:	Received by: (Signature) Representing:
Relinquished by: (Signature) Representing:	DATE/TIME	SEAL INTACT? YES NO NA	Received by: (Signature) Representing:	DATE/TIME	SEAL INTACT? YES NO NA	Relinquished by: (Signature) Representing:	Received by: (Signature) Representing:

CHAIN OF CUSTODY RECORD

Penney & Mac
Environmental

2/4/2

[illegible]

REMARKS-TESTS REQUIRED, SPECIAL TURNAROUND, SPECIAL Q.C. etc
EPA 310.18
EPA 310.13
"
"

[illegible]

TE/TIME	SEAL INTACT ?	Received by: (Signature)
_____	YES NO NA	Representing:
TE/TIME	SEAL INTACT ?	Received by: (Signature)
_____	YES NO NA	Representi.

PEDNEAULT ASSOCIATES
1615 NINTH AVENUE
BOHEMIA, NEW YORK 11716
(516) 467-8477

CLIENT: Fenley + McEl
ADDRESS: 445 Brook Avenue
PHONE: (516) 467-8477 EXT 462.

LAB NO:

PROJECT NAME: MORGAN TERMINAL

DATE	TIME	COMP	GRAB	MATRIX	SAMPLE LOCATION	# OF CONT'S	ANALYSIS
12/28				SOIL	B-1(1'-2') + B-2(8'-10')	4-40ml	EPA 8240 / TCLP Metals / Volatiles / PCBs
12/28				SOIL	B-1(1'-2'), B-2(8'-10'), B-3(2'-4')	3-800ml Jars	TCLP Metals + Volatiles / PCBs
12/28				SOIL	B-1(6'-8'), B-2(6'-8'), B-3(2'-4'), B-3(10'-12')	8-400ml Jars	EPA 8240 + 15
12/28				SOIL	B-1(6'-8') + B-2(6'-8')	2-800ml Jars	EPA 8240 + 15

SAMPLERS NAME (PRINT): Chris Carter SIGN: Chris Carter

RELINQUISHED BY:

(PRINT)

(SIGN)

DATE

TIME

AGENT OF:

RECEIVED BY:

(PRINT)

(SIGN)

DATE

TIME

AGENT OF:

RELINQUISHED BY:

(PRINT)

(SIGN)

DATE

TIME

AGENT OF:

RECEIVED BY:

(PRINT)

(SIGN)

DATE

TIME

AGENT OF:

RECEIVED FOR LAB BY:

(PRINT)

(SIGN)

DATE

TIME

AGENT OF:

REMARKS

BILL DIRECTLY TO NYDEC REGION II

**PEDNEAULT ASSOCIATES, INC.**TESTING LABORATORY
1615 NINTH AVENUE P O BOX 205 BOHEMIA NY 11716 (516) 467-8400
AFTER 5 PM (516) 567-5572

January 22, 1993

TO: NYS Dept. Environmental Conservation
Region 2
47-20 21st Street
Long Island City, NY 11429RE: 200 Morgan Avenue
Brooklyn, NYDate: Collected 12/31/92 Analyzed 12/31-1/21/93 Report
Sampled on: 12/28/92**Sampling Point**

1. Boring #1 (1' to 2') TCLP Extraction
2. Boring #2 (8' to 10') TCLP Extraction
3. Boring #3 (2' to 4') TCLP Extraction
4. Boring #9 (2' to 4') TCLP Extraction
5. Boring #12 (2' to 4') TCLP Extraction

CONTAMINANT		Regulatory Level (mg/l)	1	2	3	4	5
Acetone	mg/l	NA	0.01	<0.01	<0.01	<0.01	<0.01
Benzene	mg/l	0.5	<0.01	0.01	0.01	<0.01	<0.01
n-Butylalcohol	mg/l	NA	<0.01	<0.01	<0.01	<0.01	<0.01
Carbon Disulfide	mg/l	NA	<0.01	<0.01	<0.01	<0.01	<0.01
Carbon Tetrachloride	mg/l	0.5	<0.01	<0.01	<0.01	<0.01	<0.01
Chlorobenzene	mg/l	100.0	<0.01	<0.01	<0.01	<0.01	<0.01
Chloroform	mg/l	6.0	<0.01	<0.01	<0.01	<0.01	<0.01
1,2-Dichloroethane	mg/l	0.5	<0.01	<0.01	<0.01	<0.01	<0.01
1,1-Dichloroethylene	mg/l	0.7	<0.01	<0.01	<0.01	<0.01	<0.01
Ethyl Acetate	mg/l	NA	<0.01	<0.01	<0.01	<0.01	<0.01
Ethyl Benzene	mg/l	NA	<0.01	<0.01	<0.01	<0.01	<0.01
Ethyl Ether	mg/l	NA	<0.01	<0.01	<0.01	<0.01	<0.01
Isobutanol	mg/l	NA	<0.01	<0.01	<0.01	<0.01	<0.01
Methanol	mg/l	NA	<0.01	<0.01	<0.01	<0.01	<0.01
Methylene Chloride	mg/l	NA	<0.01	<0.01	<0.01	<0.01	<0.01

NA = Not Available

Spill # 92-09135 T.C.L.P. Volatile Analytes
Pin No. SP92402

Lab Number 84941 (1-8)

JOHN PEDNEAULT
Lab Director



PEDNEAULT ASSOCIATES, INC. TESTING LABORATORY
1615 NINTH AVENUE P.O. BOX 205 BOHEMIA NY 11716 (516) 467-8411
AFTER 5 PM (516) 587-5575

January 22, 1993

TO: NYS Dept. Environmental Conservation
Region 2
47-20 21st Street
Long Island City, NY 11429

RE: 200 Morgan Avenue
Brooklyn, NY

Date: Collected 12/31/92 **Analyzed** 12/31-1/21/93 **Report** 1/22/93
Sampled on: 12/28/92

Sampling Point

1. Boring #1 (1' to 2') - TCLP Extraction
2. Boring #2 (8' to 10') - TCLP Extraction
3. Boring #3 (2' to 4') - TCLP Extraction
4. Boring #9 (2' to 4') - TCLP Extraction
5. Boring #12 (2' to 4') - TCLP Extraction

CONTAMINANT		Regulatory Level (mg/L)	1	2	3	4	5
Methyl ethyl ketone	mg/L	200.0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Methyl isobutyl ketone	mg/L	NA	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Tetrachloroethylene	mg/L	0.7	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Toluene	mg/L	NA	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
1,1,1-Trichloroethane	mg/L	NA	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Trichloroethylene	mg/L	0.5	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Trichlorofluoromethane	mg/L	NA	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
1,1,2-Trichloro-1,2,2-trifluoroethane		NA	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Vinyl chloride	mg/L	0.2	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Xylene	mg/L	NA	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01

NA = Not Available

Spill # 92-09135
Pin No. SP 92402 T.C.L.P. Volatile Analytes

Lab Number 84941 (1-8)

JOHN PEDNEAULT
Lab Director



PEDNEAULT ASSOCIATES, INC. TESTING LABORATORY
1615 NINTH AVENUE P.O. BOX 205 BOHEMIA N.Y. 11716 (516) 467-8112
AFTER 5 PM (516) 562-4512

January 22, 1993

TO: NYS Dept. Environmental Conservation
Region 2
47-20 21st Street
Long Island City, NY 11429

RE: 200 Morgan Avenue
Brooklyn, NY

Date: Collected 12/31/92 Analyzed 12/31-1/21/93 Report
Sampled on: 12/28/92

Sampling Point

1. Boring #13 (4' to 6') TCLP Extraction
- 2.
- 3.
- 4.
- 5.

CONTAMINANT		Regulatory Level (mg/l)	1	2	3	4	5
Acetone	mg/l	NA	< 0.01				
Benzene	mg/l	0.5	< 0.01				
n-Butylalcohol	mg/l	NA	< 0.01				
Carbon Disulfide	mg/l	NA	< 0.01				
Carbon Tetrachloride	mg/l	0.5	< 0.01				
Chlorobenzene	mg/l	100.0	< 0.01				
Chloroform	mg/l	6.0	< 0.01				
1,2-Dichloroethane	mg/l	0.5	< 0.01				
1,1-Dichloroethylene	mg/l	0.7	< 0.01				
Ethyl Acetate	mg/l	NA	< 0.01				
Ethyl Benzene	mg/l	NA	< 0.01				
Ethyl Ether	mg/l	NA	< 0.01				
Isobutanol	mg/l	NA	< 0.01				
Methanol	mg/l	NA	< 0.01				
Methylene Chloride	mg/l	NA	< 0.01				

NA = Not Available

Spill # 92-09135 T.C.L.P. Volatile Analytes
Pin No. SP92402

Lab Number 84941 (1-8)

JOHN PEDNEAULT
Lab Director



PEDNEAULT ASSOCIATES, INC. TESTING LABORATORY
1815 NINTH AVENUE P O BOX 205 BOHEMIA NY 11716 (516) 467-8477
AFTER 5 PM (516) 567-5577

January 22, 1993

TO: NYS Dept. Environmental Conservation
Region 2
47-20 21st Street
Long Island City, NY 11429

RE: 200 Morgan Avenue
Brooklyn, NY

Date: Collected 12/31/92 Analyzed 12/31-1/21/93 Report 1/22/93
Sampled on: 12/28/92

Sampling Point

1. Boring #13 (4' to 6') TCLP Extraction

2.

3.

4.

5.

CONTAMINANT		Regulatory Level (mg/L)	1	2	3	4	5
Methyl ethyl ketone	mg/L	200.0	< 0.01				
Methyl isobutyl ketone	mg/L	NA	< 0.01				
Tetrachloroethylene	mg/L	0.7	< 0.01				
Toluene	mg/L	NA	< 0.01				
1,1,1-Trichloroethane	mg/L	NA	< 0.01				
Trichloroethylene	mg/L	0.5	< 0.01				
Trichlorofluoromethane	mg/L	NA	< 0.01				
1,1,2-Trichloro-1,2,2-trifluoroethane		NA	< 0.01				
Vinyl chloride	mg/L	0.2	< 0.01				
Xylene	mg/L	NA	< 0.01				

NA = Not Available

Spill # 92-09135

Pin No. SP 92402 T.C.L.P. Volatile Analytes

Lab Number 84941 (1-8)

JOHN PEDNEAULT
Lab Director

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. C930471/10

02/23/93

N.Y.S. - D.E.C., Region 2
222-34 96th. Street
Queens Village, NY 11429

ATTN: Anthony Sigona

SOURCE OF SAMPLE: Morgan Terminal, Brooklyn

COLLECTED BY: Fen&Nicol DATE COL'D: 02/03/93 RECEIVED: 02/03/93

SAMPLE: Oil/Water sample, FN-12

ANALYTICAL PARAMETERS

Gasoline	*	N.D.
Lubricating Oil	*	N.D.
kerosene	uL/L*	<200
Fuel Oil	uL/L*	1400**

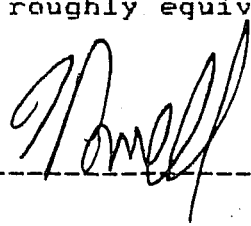
ANALYTICAL PARAMETERS

cc: Mustafa Elsehamy

REMARKS: Spill No. 92-09135. PIN No. SP 92402.

- Analyzed by NYSDOH Method 310-13: Petroleum Products (hydrocarbon Scan). Gasoline & lubricating oil cannot be quantified by this method. uL/Kg roughly equiv. to PP
- ** #2 fuel oil.

Date of Analysis: 02/09/93

DIRECTOR _____


377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. C930471/11

02/23/93

N.Y.S. - D.E.C., Region 2
222-34 96th. Street
Queens Village, NY 11429

ATTN: Anthony Sigona

SOURCE OF SAMPLE: Morgan Terminal, Brooklyn

COLLECTED BY: Fen&Nicol DATE COL'D: 02/03/93 RECEIVED: 02/03/93

SAMPLE: Oil/Water sample, FN-15

ANALYTICAL PARAMETERS

Gasoline	*	N.D.
Lubricating Oil	*	N.D.
kerosene	uL/L*	<1000
Fuel Oil	uL/L*	5000**

ANALYTICAL PARAMETERS

cc: Mustafa Elsehamy

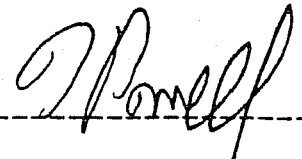
REMARKS: Spill No. 92-09135. PIN No. SP 92402.

- * Analyzed by NYSDOH Method 310-13: Petroleum Products (hydrocarbon Scan). Gasoline & lubricating oil cannot be quantified by this method. uL/Kg roughly equiv. to PP.

** #2 fuel oil.

Date of Analysis: 02/09/93

DIRECTOR



rn=

1942

NYSDOH ID# 10320

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. C930471/12

02/23/93

N.Y.S. - D.E.C., Region 2
222-34 96th. Street
Queens Village, NY 11429

ATTN: Anthony Sigona

SOURCE OF SAMPLE: Morgan Terminal, Brooklyn

COLLECTED BY: Fen&Nicol DATE COL'D: 02/03/93 RECEIVED: 02/03/93

SAMPLE: Oil sample, FN-17

ANALYTICAL PARAMETERS

Gasoline	+	N.D.
Lubricating Oil	+	N.D.
kerosene	uL/L*	<4000
Fuel Oil	uL/L*	40000**
Specific Gravity		0.99
Flash Point	deg C	75

ANALYTICAL PARAMETERS

cc: Mustafa Elsehamy

REMARKS: Spill No. 92-09135. PIN No. SP 92402.

- * Analyzed by NYSDOH Method 310-13: Petroleum Products (hydrocarbon Scan). Gasoline & lubricating oil cannot be quantified by this method. uL/Kg roughly equiv. to PPM
- ** #2 fuel oil. Viscosity: Medium
- Date of Analysis: Pet Prod-02/9/93, SG-02/5/93, FP-02/8/93

DIRECTOR _____



377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. C930471/5

02/23/93

N.Y.S. - D.E.C., Region 2
222-34 96th. Street
Queens Village, NY 11429

ATTN: Anthony Sigona

SOURCE OF SAMPLE: Morgan Terminal, Brooklyn
COLLECTED BY: Fen&Nicol DATE COL'D: 02/03/93 RECEIVED: 02/03/93

SAMPLE: Water sample, FN-5, (monitoring well)

ANALYTICAL PARAMETERS

ANALYTICAL PARAMETERS

Gasoline	•	Present
Lubricating Oil	•	N.P.
Kerosene	•	<0.1
Fuel Oil	•	<0.1

cc: Mustafa Elsehamy

REMARKS: Spill No. 92-09135. PIN No. SP 92402.

* Analyzed by NYSDOH Method 310-13: Petroleum Products (Hydrocarbon Scan). Gasoline & lubricating oil cannot be quantified by this method. uL/Kg roughly equiv. to PPM.

** #2 fuel oil.

Date of Analysis: 02/08/93.

DIRECTOR _____


377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. C930471/1

02/23/93

N.Y.S. - D.E.C., Region 2
222-34 96th. Street
Queens Village, NY 11429

ATTN: Anthony Sigona

SOURCE OF SAMPLE: Morgan Terminal, Brooklyn

COLLECTED BY: Fen&Nicol DATE COL'D: 02/03/93 RECEIVED: 02/03/93

SAMPLE: Water sample, FN-1, (monitoring well)

ANALYTICAL PARAMETERS

Gasoline	+	N.D.
Lubricating Oil	+	N.D.
kerosene	uL/L+	<0.1
Fuel Oil	uL/L+	0.5++

ANALYTICAL PARAMETERS

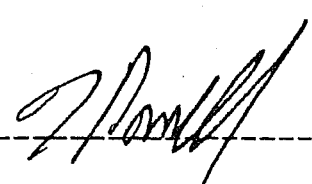
cc: Mustafa Elsehamy

REMARKS: Spill No. 92-09135. PIN No. SP 92402.

- * Analyzed by NYSDOH Method 310-13: Petroleum Products (Hydrocarbon Scan). Gasoline & lubricating oil cannot be quantified by this method. uL/Kg roughly equiv. to PPM
- ** #2 fuel oil.

Date of Analysis: 02/08/93.

DIRECTOR _____



377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. C930471/12

02/23/93

N.Y.S. - D.E.C., Region 2
222-34 96th. Street
Queens Village, NY 11429

ATTN: Anthony Sigona

SOURCE OF SAMPLE: Morgan Terminal, Brooklyn, TCLPSV
COLLECTED BY: Fen&Nicol DATE COL'D: 02/03/93 RECEIVED: 02/03/93SAMPLE: Oil sample, FN-17
UNITS: ug/L*

ANALYTICAL PARAMETERS

Lindane	<250
Endrin	<250
Methoxychlor	<500
Toxaphene	<5000
Chlordane	<1000
Heptachlor	<250
Heptachlor Epoxide	<250
2,4-D	<1000
2,4,5-TP	<1000
2-Methylphenol (o-cresol)	<40000
3-Methylphenol (m-cresol)	<40000
4-Methylphenol (p-cresol)	<40000
Pentachlorophenol	<40000
2,4,5-Trichlorophenol	<40000
2,4,6-Trichlorophenol	<40000
2,4-Dinitrotoluene	<40000
Hexachlorobenzene	<40000
Hexachlorobutadiene	<40000
Hexachloroethane	<40000
Nitrobenzene	<40000
Pyridine	<40000

ANALYTICAL PARAMETERS

cc: Mustafa Elsehamy

REMARKS: Spill No. 92-09135. PIN No. SP 92402.

* All analysis on this page was performed on TCLP leachate
per USEPA Method 1311.

Date of Analysis: TCLP-02/05/93, BN/AE-02/18/93.

DIRECTOR

ECOTEST LABORATORIES, INC.

ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. C930471/12

02/23/93

N.Y.S. - D.E.C., Region 2
222-34 96th. Street
Queens Village, NY 11429
ATTN: Anthony Sigona

SOURCE OF SAMPLE: Morgan Terminal, Brooklyn, TCLPZHE
COLLECTED BY: Fen&Nicol DATE COL'D: 02/03/93 RECEIVED: 02/03/93

SAMPLE: Oil sample, FN-17

ANALYTICAL PARAMETERS

Carbon Tetrachloride	ug/L*	<200
Chlorobenzene	ug/L*	<400
Chloroform	ug/L*	<200
1,4 Dichlorobenzene	ug/L*	560
1,2 Dichloroethane	ug/L*	<200
1,1 Dichloroethene	ug/L*	<200
Methyl Ethyl Ketone	ug/L*	<4000
Tetrachloroethene	ug/L*	<200
Trichloroethylene	ug/L*	<200
Vinyl Chloride	ug/L*	<200
Benzene	ug/L*	530

ANALYTICAL PARAMETERS

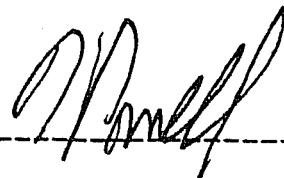
cc: Mustafa Elsehamy

REMARKS: Spill No. 92-09135. PIN No. SP 92402.

* All analysis on this page was performed on TCLP according to USEPA Method 1311.

Date of Analysis: TCLP-02/08/93, VOCs-02/17/93

DIRECTOR



LABORATORIES, INC.

ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770
 LAB NO. C930471/12

02/23/93

N.Y.S. - D.E.C., Region 2
 222-34 96th. Street
 Queens Village, NY 11429
 ATTN: Anthony Sigona

SOURCE OF SAMPLE: Morgan Terminal, Brooklyn, TCLPZHE
 COLLECTED BY: Fen&Nicol DATE COL'D: 02/03/93 RECEIVED: 02/03/93

SAMPLE: Oil sample, FN-17

ANALYTICAL PARAMETERS

Carbon Tetrachloride	ug/L*	<200
Chlorobenzene	ug/L*	<400
Chloroform	ug/L*	<200
1,4 Dichlorobenzene	ug/L*	560
1,2 Dichloroethane	ug/L*	<200
1,1 Dichloroethene	ug/L*	<200
Methyl Ethyl Ketone	ug/L*	<4000
Tetrachloroethene	ug/L*	<200
Trichloroethylene	ug/L*	<200
Vinyl Chloride	ug/L*	<200
Benzene	ug/L*	530

ANALYTICAL PARAMETERS

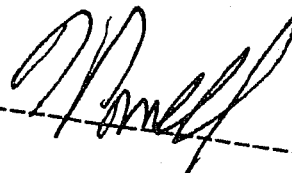
cc: Mustafa Elsehamy

REMARKS: Spill No. 92-09135. PIN No. SP 92402.
 • All analysis on this page was performed on TCLP according
 to USEPA Method 1311.
 Date of Analysis: TCLP-02/08/93, VOCs-02/17/93

1945

NYS DOH ID# 10320

DIRECTOR



377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. C930471/12

02/23/93

N.Y.S. - D.E.C., Region 2
222-34 96th. Street
Queens Village, NY 11429

ATTN: Anthony Sigona

SOURCE OF SAMPLE: Morgan Terminal, Brooklyn, TCLP8MET

COLLECTED BY: Fen&Nicol DATE COL'D: 02/03/93 RECEIVED: 02/03/93

SAMPLE: Oil sample, FN-17

ANALYTICAL PARAMETERS

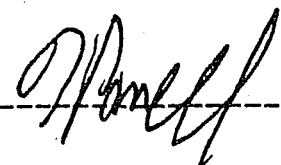
Arsenic as As	mg/L*	<0.05
Barium as Ba	mg/L*	0.82
Cadmium as Cd	mg/L*	<0.02
Chromium as Cr	mg/L*	0.30
Lead as Pb	mg/L*	2.9
Mercury as Hg	mg/L*	<0.005
Selenium as Se	mg/L*	0.085
Silver as Ag	mg/L*	<0.05

ANALYTICAL PARAMETERS

cc: Mustafa Elsehamy

REMARKS: Spill No. 92-09135. PIN No. SP 92402.

* All analysis performed on TCLP leachate according to USEPA Method 1311.

Date of Analysis: TCLP-02/05/93, Ba, Cd, Cr, Pb-02/16/93
Hg-02/08/93, Ag-02/18/93, Se-02/10/93, As-02/09/93DIRECTOR _____


377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. C930471/2

02/23/93

N.Y.S. - D.E.C., Region 2
222-34 96th. Street
Queens Village, NY 11429

ATTN: Anthony Sigona

SOURCE OF SAMPLE: Morgan Terminal, Brooklyn

COLLECTED BY: Fen&Nicol DATE COL'D: 02/03/93 RECEIVED: 02/03/93

SAMPLE: Water sample, FN-2, (monitoring well)

ANALYTICAL PARAMETERS

Gasoline	•	Present
Lubricating Oil	•	N.D.
kerosene	uL/L*	<0.1
Fuel Oil	uL/L*	<0.1

ANALYTICAL PARAMETERS

cc: Mustafa Elsehamy

REMARKS: Spill No. 92-09135. PIN No. SP 92402.

- * Analyzed by NYSDOH Method 310-13: Petroleum Products (hydrocarbon Scan). Gasoline & lubricating oil cannot be quantified by this method. uL/Kg roughly equiv. to PPH

** #2 fuel oil.

Date of Analysis: 02/08/93.

DIRECTOR _____


377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. C930471/3

02/23/93

N.Y.S. - D.E.C., Region 2
222-34 96th. Street
Queens Village, NY 11429

ATTN: Anthony Sigona

SOURCE OF SAMPLE: Morgan Terminal, Brooklyn

COLLECTED BY: Fen&Nicol DATE COL'D: 02/03/93 RECEIVED: 02/03/93

SAMPLE: Water sample, FN-3, (monitoring well)

ANALYTICAL PARAMETERS

Gasoline	*	Present
Lubricating Oil	*	N.D.
kerosene	uL/L*	<0.1
Fuel Oil	uL/L*	<0.1

ANALYTICAL PARAMETERS

cc: Mustafa Elsehamy

REMARKS: Spill No. 92-09135.. PIN No. SP 92402.

- Analyzed by NYSDOH Method 310-13: Petroleum Products (Hydrocarbon Scan). Gasoline & lubricating oil cannot be quantified by this method. uL/Kg roughly equiv. to PPM.
- ** #2 fuel oil.

Date of Analysis: 02/08/93.

DIRECTOR _____


rn=

1931

NYSDOH ID# 10320

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. C930471/4

02/23/93

N.Y.S. - D.E.C., Region 2
222-34 96th. Street
Queens Village, NY 11429

ATTN: Anthony Sigona

SOURCE OF SAMPLE: Morgan Terminal, Brooklyn

COLLECTED BY: Fen&Nicol DATE COL'D: 02/03/93 RECEIVED: 02/03/93

SAMPLE: Water sample, FN-4, (monitoring well)

ANALYTICAL PARAMETERS

Gasoline	*	N.D.
Lubricating Oil	*	N.D.
kerosene	uL/L*	<0.1
Fuel Oil	uL/L*	<0.1

ANALYTICAL PARAMETERS

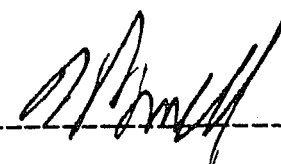
cc: Mustafa Elsehamy

REMARKS: Spill No. 92-09135. PIN No. SP 92402.

- * Analyzed by NYSDOH Method 310-13: Petroleum Products (Hydrocarbon Scan). Gasoline & lubricating oil cannot be quantified by this method. uL/Kg roughly equiv. to PPM
- ** #2 fuel oil.

Date of Analysis: 02/08/93.

DIRECTOR _____



377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. C930471/12

02/23/93

N.Y.S. - D.E.C., Region 2
222-34 96th. Street
Queens Village, NY 11429

ATTN: Anthony Sigona

SOURCE OF SAMPLE: Morgan Terminal, Brooklyn, TCLP8MET

COLLECTED BY: Fen&Nicol DATE COL'D: 02/03/93 RECEIVED: 02/03/93

SAMPLE: Oil sample, FN-17

ANALYTICAL PARAMETERS

Arsenic as As	mg/L*	<0.05
Barium as Ba	mg/L*	0.82
Cadmium as Cd	mg/L*	<0.02
Chromium as Cr	mg/L*	0.30
Lead as Pb	mg/L*	2.9
Mercury as Hg	mg/L*	<0.005
Selenium as Se	mg/L*	0.085
Silver as Ag	mg/L*	<0.05

ANALYTICAL PARAMETERS

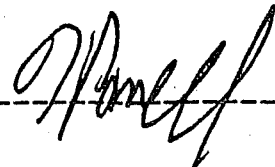
cc: Mustafa Elsehamy

REMARKS: Spill No. 92-09135. PIN No. SP 92402.

* All analysis performed on TCLP leachate according to USE
Method 1311.

Date of Analysis: TCLP-02/05/93, Ba, Cd, Cr, Pb-02/16/93
Hg-02/08/93, Ag-02/18/93, Se-02/10/93, As-02/09/93

DIRECTOR _____





PEDNEAULT ASSOCIATES, INC. TESTING LABORATORIES
1815 NINTH AVENUE P O BOX 205 BOHEMIA NY 11716 (516) 467 8477
AFTER 5 PM (516) 567 5579

January 22, 1993

TO: NYS Dept. Environmental Conservation
Region 2
47-20 21st Street
Long Island City, NY 11429

RE: 200 Morgan Avenue
Brooklyn, NY

Date: Collected 12/31/92 **Analyzed** 12/31-1/21/93 **Report** 1/22/93

Sampled on: 12/28/92

Sampling Point

1. Boring #1 (1' to 2') TCLP Extraction
2. Boring #2 (8' to 10') TCLP Extraction
3. Boring #3 (2' to 4') TCLP Extraction
4. Boring #9 (2' to 4') TCLP Extraction
5. Boring #12 (2' to 4') TCLP Extraction

CONTAMINANT		Regulatory Level (mg/l)	1	2	3	4	5
Arsenic	mg/l	5.0	< 0.300	< 0.300	< 0.300	< 0.300	< 0.300
Barium	mg/l	100.0	0.203	0.195	0.272	0.286	0.151
Cadmium	mg/l	1.0	0.011	< 0.001	0.002	0.014	0.002
Chromium	mg/l	5.0	0.022	< 0.020	< 0.020	< 0.020	< 0.020
Lead	mg/l	5.0	0.273	0.031	0.110	< 0.005	0.073
Mercury	mg/l	0.2	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Selenium	mg/l	1.0	0.850	0.976	< 0.250	0.638	< 0.250
Silver	mg/l	5.0	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005

File # 92-09135
Lab No. SP 92402

T.C.L.P. Inorganic analytes

Lab Number 84941 (1-8)

JOHN PEDNEAULT
Lab Director



PEDNEAULT ASSOCIATES, INC.

1615 NINTH AVENUE P O BOX 205 BOHEMIA NY 11716 (516) 467-0111
AFTER 5 PM (516) 567-5579

January 22, 1993

TO: NYS Dept. Environmental Conservation
Region 2
47-20 21st Street
Long Island City, NY 11429

RE: 200 Morgan Avenue
Brooklyn, NY

Date: Collected 12/31/92 Analyzed 12/31-1/21/93 Report 1/22/93

Sampled on: 12/28/92

Sampling Point

1. Boring #13 (4' to 6') TCLP Extraction

2.

3.

4.

5.

CONTAMINANT		Regulatory Level (mg/l)	1	2	3	4	5
Arsenic	mg/l	5.0	< 0.300				
Barium	mg/l	100.0	0.226				
Cadmium	mg/l	1.0	0.005				
Chromium	mg/l	5.0	< 0.020				
Lead	mg/l	5.0	< 0.005				
Mercury	mg/l	0.2	< 0.0005				
Selenium	mg/l	1.0	0.884				
Silver	mg/l	5.0	0.019				

Spill # 92-09135
In No. SP 92402

T.C.L.P. Inorganic analytes

Lab Number 84941 (1-8)

JOHN PEDNEAULT
Lab Director

ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

02/23/93

N.Y.S. - D.E.C., Region 2
222-34 96th. Street
Queens Village, NY 11429

ATTN: Anthony Sigona

SOURCE OF SAMPLE: Morgan Terminal, Brooklyn
COLLECTED BY: Fen&Nicol DATE COL'D: 02/03/93 RECEIVED: 02/03/93

SAMPLE: Water sample, FN-5, (monitoring well)

ANALYTICAL PARAMETERS

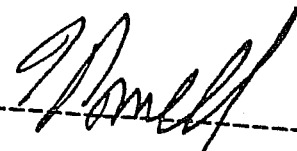
Gasoline	*	Present
Lubricating Oil	*	N.D.
kerosene	uL/L*	<0.1
Fuel Oil	uL/L*	<0.1

ANALYTICAL PARAMETERS

cc: Mustafa Elsehamy

REMARKS: Spill No. 92-09135. PIN No. SP 92402.
* Analyzed by NYSDOH Method 310-13: Petroleum Products (Hydrocarbon Scan). Gasoline & lubricating oil cannot be quantified by this method. uL/Kg roughly equiv. to PPM.
** #2 fuel oil.
Date of Analysis: 02/08/93.

DIRECTOR



rn=

1933

NYSDOH ID# 10320

CONTEST LABORATORIES, INC.

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770
LAB NO. C930471/6

ENVIRONMENTAL TESTING

02/23/93

M.Y.S. - D.E.C., Region 2
222-34 96th. Street
Queens Village, NY 11429
ATTN: Anthony Sigona

SOURCE OF SAMPLE: Morgan Terminal, Brooklyn
COLLECTED BY: Fen&Nicol DATE COL'D: 02/03/93 RECEIVED: 02/03/93
SAMPLE: Water sample, FN-6, (monitoring well)

ANALYTICAL PARAMETERS

Gasoline	*	N.D.
Lubricating Oil	*	N.D.
kerosene		<0.1
Fuel Oil		<0.1

ANALYTICAL PARAMETERS

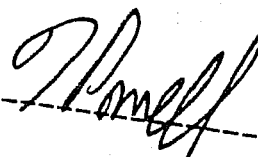
cc: Mustafa Elsehamy

REMARKS: Spill No. 92-09135. PIN No. SP 92402.
* Analyzed by NYSDOH Method 310-13: Petroleum Products (Hydrocarbon Scan). Gasoline & lubricating oil cannot be quantified by this method. uL/Kg roughly equiv. to PPM.
** #2 fuel oil.
Date of Analysis: 02/09/93.

1934

NYSDOH ID# 10320

DIRECTOR



377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. C930471/7

02/23/93

N.Y.S. - D.E.C., Region 2
222-34 96th. Street
Queens Village, NY 11429

ATTN: Anthony Sigona

SOURCE OF SAMPLE: Morgan Terminal, Brooklyn
COLLECTED BY: Fen&Nicol DATE COL'D: 02/03/93 RECEIVED: 02/03/93

SAMPLE: Water sample, FN-7, (monitoring well)

ANALYTICAL PARAMETERS

Gasoline	*	N.D.
Lubricating Oil	*	N.D.
kerosene	uL/L+	<0.1
Fuel Oil	uL/L+	<0.1

ANALYTICAL PARAMETERS

cc: Mustafa Elsehamy

REMARKS: Spill No. 92-09135. PIN No. SP 92402.

- * Analyzed by NYSDOH Method 310-13: Petroleum Products (H: drocarbon Scan). Gasoline & lubricating oil cannot be quantified by this method. uL/Kg roughly equiv. to PPM.
- ** #2 fuel oil.

Date of Analysis: 02/09/93.

DIRECTOR _____

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. C930471/8

02/23/93

N.Y.S. - D.E.C., Region 2
222-34 96th. Street
Queens Village, NY 11429

ATTN: Anthony Sigona

SOURCE OF SAMPLE: Morgan Terminal, Brooklyn

COLLECTED BY: Fen&Nicol DATE COL'D: 02/03/93 RECEIVED: 02/03/93

SAMPLE: Water sample, FN-9, (monitoring well)

ANALYTICAL PARAMETERS

Gasoline	•	N.D.
Lubricating Oil	•	N.D.
kerosene	uL/L•	<0.1
Fuel Oil	uL/L•	<0.1

ANALYTICAL PARAMETERS

cc: Mustafa Elsehamy

REMARKS: Spill No. 92-09135. PIN No. SP 92402.

- * Analyzed by NYSDOH Method 310-13: Petroleum Products (Hydrocarbon Scan). Gasoline & lubricating oil cannot be quantified by this method. uL/Kg roughly equiv. to PPM

** #2 fuel oil.

Date of Analysis: 02/09/93.

DIRECTOR _____


377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. C930471/9

02/23/93

N.Y.S. - D.E.C., Region 2
222-34 96th. Street
Queens Village, NY 11429

ATTN: Anthony Sigona

SOURCE OF SAMPLE: Morgan Terminal, Brooklyn

COLLECTED BY: Fen&Nicol DATE COL'D: 02/03/93 RECEIVED: 02/03/93

SAMPLE: Oil sample, FN-11

ANALYTICAL PARAMETERS

Gasoline	*	N.D.
Lubricating Oil	*	N.D.
kerosene	uL/L*	<50000
Fuel Oil	uL/L*	410000**
Specific Gravity		0.95
Flash Point	deg C	77

ANALYTICAL PARAMETERS

cc: Mustafa Elsehamy

REMARKS: Spill No. 92-09135. PIN No. SP 92402.

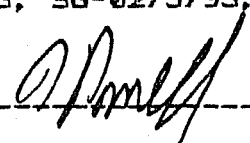
* Analyzed by NYSDOH Method 310-13: Petroleum Products (Hydrocarbon Scan). Gasoline & lubricating oil cannot be quantified by this method. uL/Kg roughly equiv. to PPM

** #2 fuel oil.

Viscosity: Medium

Date of Analysis: Pet Prod-02/9/93, SG-02/5/93, FP-02/8/93

DIRECTOR _____



rn=

1937

NYSDOH ID# 10320

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770
LAB NO. C930471/9

02/23/93

N.Y.S. - D.E.C., Region 2
222-34 96th. Street
Queens Village, NY 11429
ATTN: Anthony Sigona

SOURCE OF SAMPLE: Morgan Terminal, Brooklyn, TCLPZHE
COLLECTED BY: Fen&Nicol DATE COL'D: 02/03/93 RECEIVED: 02/03/93
SAMPLE: Oil sample, FN-11

ANALYTICAL PARAMETERS

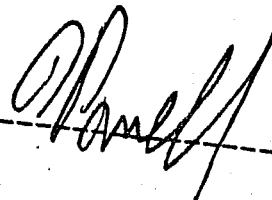
Carbon Tetrachloride	ug/L*	<1000
Chlorobenzene	ug/L*	<2000
Chloroform	ug/L*	<1000
1,4 Dichlorobenzene	ug/L*	<2000
1,2 Dichloroethane	ug/L*	<1000
1,1 Dichloroethene	ug/L*	<1000
Methyl Ethyl Ketone	ug/L*	<20000
Tetrachloroethene	ug/L*	<1000
Trichloroethylene	ug/L*	<1000
Vinyl Chloride	ug/L*	<1000
Benzene	ug/L*	3100

ANALYTICAL PARAMETERS

cc: Mustafa Elsehamy

REMARKS: Spill No. 92-09135. PIN No. SP 92402.
• All analysis on this page was performed on TCLP according
to USEPA Method 1311.
Date of Analysis: TCLP-02/08/93, VOCs-02/17/93

DIRECTOR



377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. C930471/9

02/23/93

M.Y.S. - D.E.C., Region 2
222-34 96th. Street
Queens Village, NY 11429

ATTN: Anthony Sigona

SOURCE OF SAMPLE: Morgan Terminal, Brooklyn, TCLP8MET

COLLECTED BY: Fen&Nicol DATE COL'D: 02/03/93 RECEIVED: 02/03/93

SAMPLE: Oil sample, FN-11

ANALYTICAL PARAMETERS

Arsenic as As	mg/L*	<0.05
Barium as Ba	mg/L*	0.88
Cadmium as Cd	mg/L*	0.022
Chromium as Cr	mg/L*	9.7
Lead as Pb	mg/L*	11
Mercury as Hg	mg/L*	0.094
Selenium as Se	mg/L*	0.070
Silver as Ag	mg/L*	0.17

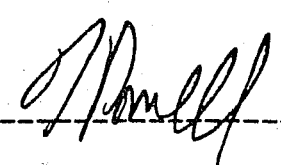
ANALYTICAL PARAMETERS

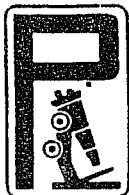
cc: Mustafa Elsehamy

REMARKS: Spill No. 92-09135. PIN No. SP 92402.

* All analysis performed on TCLP leachate according to USEPA
Method 1311.

Date of Analysis: TCLP-02/5/93, Ba, Cd, Cr, Hg, Ag, Pb-02/16/93
As-02/09/93, Se-02/10/93

DIRECTOR _____




PEDNEAULT ASSOCIATES, INC. TESTING LABORATORIES
1615 NINTH AVENUE · P.O. BOX 205 BOHEMIA, N.Y. 11716 · (516) 467-8477
AFTER 5 P.M. (516) 567-5579

January 29, 1993

TO: NYS Dept. Environmental Conservation
Region 2
47-20 21st Street
Long Island City, NY 11429

RE: 200 Morgan Street
Brooklyn, NY

Date: Collected 1/7/93 Analyzed 1/7-1/28/93 Report 1/29/93

Sampled On 1/6/93

Sampling Point

1. Boring #17 (4' to 6')
2. Boring #18 (4' to 6')
3. Boring #18 (6' to 8')
4. Boring #19 (10')
- Boring #20 (8' to 10')

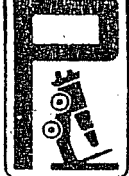
Parameters		1	2	3	4	5
PCBs						
1016	ug/kg	<1.0	<1.0	<1.0	<1.0	<1.0
1221	ug/kg	<1.0	<1.0	<1.0	<1.0	<1.0
1232	ug/kg	<1.0	<1.0	<1.0	<1.0	<1.0
1242	ug/kg	<1.0	<1.0	<1.0	<1.0	<1.0
1248	ug/kg	<1.0	<1.0	<1.0	<1.0	<1.0
1254	ug/kg	<1.0	<1.0	<1.0	<1.0	<1.0
1260	ug/kg	<1.0	<1.0	<1.0	<1.0	<1.0

Spill # 92-09135
Pin No. SP 92402

RE: PCBs

Lab Number 85062 (1-5)

JOHN PEDNEAULT
Lab Director



PEDNEAULT ASSOCIATES, INC. TESTING LABORATORIES
1615 NINTH AVENUE P O BOX 205 BOHEMIA NY 11716 (516) 467 8477
AFTER 5 PM (516) 567 5579

January 25, 1995

TO: NYS Dept. Environmental Conservation
Region 2
47-20 21st Street
Long Island City, NY 11429

RE: 200 Morgan Street
Brooklyn, NY

Date: Collected 1/4/93 Analyzed 1/4-1/25/93 Report 1/25/95
Sampled on: 12/31/90

Sampling Point

1. B-10 (4' to 6') - TCLP Extraction
2. B-11 (4' to 6') - TCLP Extraction
3. B-14 (4' to 6') - TCLP Extraction
4. B-15 (4' to 6') - TCLP Extraction
5. B-16 (4' to 6') - TCLP Extraction

CONTAMINANT		Regulatory Level (mg/l)	1	2	3	4	5
Acetone	mg/l	NA	0.04	< 0.01	< 0.01	< 0.01	< 0.01
Benzene	mg/l	0.5	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
n-butylalcohol	mg/l	NA	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Carbon Disulfide	mg/l	NA	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Carbon Tetrachloride	mg/l	0.5	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Chlorobenzene	mg/l	100.0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Chloroform	mg/l	6.0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
1,2-Dichloroethane	mg/l	0.5	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
1,1-Dichloroethylene	mg/l	0.7	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Ethyl Acetate	mg/l	NA	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Ethyl Benzene	mg/l	NA	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Ethyl Ether	mg/l	NA	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Isobutanol	mg/l	NA	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Methanol	mg/l	NA	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Methylene Chloride	mg/l	NA	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01

NA = Not Available

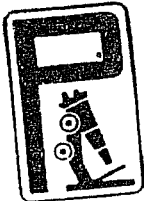
Call # 92-09135

In No. SP 92402

T.C.L.P. Volatile Analytes

Lab Number 84961 (1-5)

JOHN PEDNEAULT
Lab Director



PEDNEAULT ASSOCIATES, INC. TESTING LABORATORIES
1615 NINTH AVENUE P.O. BOX 205 BOHEMIA NY 11716 (516) 467 6477
AFTER 5 PM (516) 567 5579

January 25, 1993

TO: NYS Dept. Environmental Conservation
Region 2
47-20 21st Street
Long Island City, NY 11429

RE: 200 Morgan Street
Brooklyn, NY

Date: Collected 1/4/93 Analyzed 1/4-1/25/93 Report 1/25/93
Sampled on: 12/31/92 Sampling Point

1. B-10 (4' to 6') - TCLP Extraction
2. B-11 (4' to 6') - TCLP Extraction
3. B-14 (4' to 6') - TCLP Extraction
4. B-15 (4' to 6') - TCLP Extraction
5. B-16 (4' to 6') - TCLP Extraction

CONTAMINANT		Regulatory Level (mg/l)	1	2	3	4	5
Methanol ethyl ketone	mg/l	200.0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Methanol isobutyl ketone	mg/l	NA	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Tetrachloroethylene	mg/l	0.7	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Toluene	mg/l	NA	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
1,1,1-Trichloroethane	mg/l	NA	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Trichloroethylene	mg/l	0.5	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Trichlorofluoromethane	mg/l	NA	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/l	NA	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Vinyl chloride	mg/l	0.2	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Xylene	mg/l	NA	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01

NA = Not Available

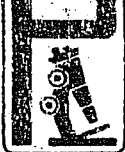
Spill # 92-09135
Pin No. SP 92402

T.C.L.P. Volatile Analytes

JOHN PEDNEAULT
Lab Director

Lab Number 84961 (1-5)

Method 8240



PEDNEAULT ASSOCIATES, INC. TESTING LABORATORIES
1615 NINTH AVENUE · P.O. BOX 205 · BOHEMIA, N.Y. 11716 (516) 457-8477
AFTER 5 P.M. (516) 567-5579

January 22, 1993

TO: NYS Dept. Environmental Conservation
Region 2
47-10 21st Street
Long Island City, NY 11429

RE: 200 Morgan Avenue
Brooklyn, NY

Date: Collected 12/31/92 **Analyzed** 12/31-1/21/93 **Report** 1/22/93

Sampled On: 12/28/92

Sampling Point

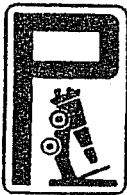
1. Boring #1 (1' to 2')
2. Boring #2 (8' to 10')
3. Boring #3 (2' to 4')
4. Boring #9 ((2' to 4')
5. Boring #12 (2' to 4')

Parameters		1	2	3	4	5
PCBs						
1016	ug/kg	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1221	ug/kg	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1232	ug/kg	< 1.0	1.0	< 1.0	< 1.0	< 1.0
1242	ug/kg	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1248	ug/kg	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1254	ug/kg	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1260	ug/kg	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Spill # 92-09135
Pin No. SP 92402

Lab Number 84941 (1-8)

JOHN PEDNEAULT
Lab Director



PEDNEAULT ASSOCIATES, INC. TESTING LABORATORIES
1615 NINTH AVENUE P O BOX 205 BOHEMIA, N.Y. 11716 (516) 467-8477
AFTER 5 PM (516) 567-5579

January 29, 1993

TO: NYS Dept. Environmental Conservation
Region 2
47-20 21st Street
Long Island City, NY 11429

RE: 200 Morgan Street
Brooklyn, New York

Date: Collected 1/7/93 Analyzed 1/7-1/28/93 Report 1/29/93

Sampled on: 1/6/93

Sampling Point

1. Boring #17 (4' to 6') TCLP Extraction
2. Boring #18 (4' to 6') TCLP Extraction
3. Boring #18 (6' to 8') TCLP Extraction
4. Boring #19 (10') TCLP Extraction
5. Boring #20 (8' to 10') TCLP Extraction

CONTAMINANT		Regulatory Level (mg/l)	1	2	3	4	5
Arsenic	mg/l	5.0	< 0.300	< 0.300	< 0.300	< 0.300	< 0.300
Barium	mg/l	100.0	< 0.004	0.397	0.523	0.823	0.643
Cadmium	mg/l	1.0	< 0.001	< 0.001	0.001	< 0.001	< 0.001
Chromium	mg/l	5.0	< 0.020	< 0.020	< 0.020	0.026	< 0.020
Lead	mg/l	5.0	0.006	0.046	0.076	0.056	< 0.005
Mercury	mg/l	0.2	0.003	0.0009	0.0008	0.030	< 0.0005
Selenium	mg/l	1.0	< 0.250	0.830	0.962	< 0.250	< 0.250
Silver	mg/l	5.0	< 0.005	0.032	< 0.005	0.014	< 0.005

Spill # 92-09135

n No. SP 92402

T.C.L.P. Inorganic analytes

Lab Number 85062 (1-5)

JOHN PEDNEAULT
Lab Director



PEDNEAULT ASSOCIATES, INC. TESTING LABORATORIES
1615 NINTH AVENUE P O BOX 205 BOHEMIA NY 11716 (516) 467 6477
AFTER 5 PM (516) 567 5579

January 25, 1993

TO: NYS Dept. Environmental Conservation
Region 2
47-20 21st Street
Long Island City, NY 11429

RE: 200 Morgan Street
Brooklyn, NY

Date: Collected 1/4/93 Analyzed 1/4-1/25/93 Report 1-25-93

Sampled on: 12/31/92

Sampling Point

1. B-10 (4' to 6') - TCLP Extraction
2. B-11 (4' to 6') - TCLP Extraction
3. B-14 (4' to 6') - TCLP Extraction
4. B-15 (4' to 6') - TCLP Extraction
5. B-16 (4' to 6') - TCLP Extraction

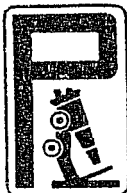
CONTAMINANT		Regulatory Level (mg/l)	1	2	3	4	5
Arsenic	mg/l	5.0	< 0.300	< 0.300	< 0.300	< 0.300	< 0.300
Barium	mg/l	100.0	0.213	0.195	9.192	0.212	0.225
Cadmium	mg/l	1.0	< 0.001	< 0.001	0.008	0.007	0.005
Chromium	mg/l	5.0	0.044	< 0.020	< 0.020	< 0.020	< 0.020
Lead	mg/l	5.0	0.100	< 0.005	< 0.005	< 0.005	< 0.005
Mercury	mg/l	0.2	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Selenium	mg/l	1.0	0.786	< 0.250	0.992	< 0.250	0.410
Silver	mg/l	5.0	0.024	< 0.005	< 0.005	< 0.005	< 0.005

Spill # 92-09135
Pin No. SP 92402

T.C.L.P. Inorganic analytes

Lab Number 84961 (1-5)

JOHN PEDNEAULT
Lab Director



PEDNEAULT ASSOCIATES, INC. TESTING LABORATORIES
1615 NINTH AVENUE P.O. BOX 205 BOHEMIA N.Y. 11716 (516) 467-8477
AFTER 5 PM (516) 567-5579

January 25, 1993

TO: NYS Dept. Environmental Conservation
Region 2
47-20 21st Street
Long Island City, NY 11429

RE: 200 Morgan Avenue
Brooklyn, NY

Date: Collected 1/4/93 **Analyzed** 1/4-1/25/93 **Report** 1/25/93

Sampled On: 12/31/92

Sampling Point

1. B-10 (4' to 6')
2. B-11 (4' to 6')
3. B-14 (4' to 6')
4. B-15 (4' to 6')
5. B-16 (4' to 6')

Parameters		1	2	3	4	5
PCBs						
1016	ug/kg	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1221	ug/kg	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1232	ug/kg	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1242	ug/kg	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1248	ug/kg	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1254	ug/kg	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1260	ug/kg	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Spill # 92-09135

Pin No. SP 92402

Lab Number 84961 (1-5)

JOHN PEDNEAULT
Lab Director



TO: NYS Dept. Environmental Conservation
Region 2
47-20 21st Street
Long Island City, NY 11429

Date: Collected 1/7/93 **Analyzed** 1/7-1/28/93 **Report** 1/29/93

Sampling Point

1. Boring #17 (4' to 6')
2. Boring #18 (4' to 6')
3. Boring #18 (6' to 8')
4. Boring #19 (10')
5. Boring #20 (8' to 10')

Lab Number 85062

Method 8240

JOHN PEDNEAULT
Lab Director

JOHN PEDNEAULT
Lab Director



JOHN PEDNEAULT ASSOCIATES, INC.

TESTING LABORATORIES

P.O. BOX 205, 1615 NINTH AVENUE

BOHEMIA, N.Y. 11716

(516) 467-9111

AFTER 5 P.M. (516) 567-5570

FAX (516) 467-6905

January 22, 1993

TO: NYS Dept. Environmental Conservation
Region 2
47-20 21st Street
Long Island City, NY 11429

Date: Collected 12/31/92 Analyzed 12/31-1/21/93 Report 1/22/93
Sampled On: 12/28/92

Sampling Point

1. Boring #1 (6'-8')
2. Boring #2 (6'-8')
- 3.
- 4.
- 5.

Parameters

	1	2	3	4	5
SURROGATE RECOVERIES %					
1,2-Dichloroethane - D4 percent	100	99			
Toluene - D8 percent	96	96			
Bromofluorobenzene percent	95	91			
Additional Compounds Found :					
(Results semi quantitative)					
2,3,7 Trimethyl Octane ppb	300	-			
1 methyl, 2 propyl cyclohexane ppb	200	-			
2,6 dimethyl nonane ppb	2000	-			
2 methyl decahydro naphthalene ppb	2000	-			
1 ethyl, 4 methyl benzene ppb	-	100			

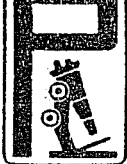
Spill # 92-09135
Pin No. SP 92402

EPA Method 8240 + 15

Method Detection Limit - 50 ppb

Lab Number 84941 (1-8)

JOHN PEDNEAULT
Lab Director



PEDNEAULT ASSOCIATES, INC. TESTING LABORATORIES
1615 NINTH AVENUE P O BOX 205 BOHEMIA, NY 11716 (516) 467-8477
AFTER 5 PM (516) 567-5579

January 29, 1993

TO: NYS Dept. Environmental Conservation
Region 2
47-20 21st Street
Long Island City, NY 11429

RE: 200 Morgan Street
Brooklyn, NY

Date: Collected 1/7/93 Analyzed 1/7-1/28/93 Report 1/29/93
Sampled on: 1/6/93

Sampling Point

1. Boring #17 (4' to 6') - TCLP Extraction
2. Boring #18 (4' to 6') - TCLP Extraction
3. Boring #18 (6' to 8') - TCLP Extraction
4. Boring #19 (10') - TCLP Extraction
5. Boring #20 (8' to 10') - TCLP Extraction

CONTAMINANT		Regulatory Level (mg/l)	1	2	3	4	5
Acetone	mg/l	NA	0.01	0.01	<0.01	0.14	0.09
Benzene	mg/l	0.5	<0.01	<0.01	<0.01	0.05	<0.01
n-Butylalcohol	mg/l	NA	<0.01	<0.01	<0.01	<0.01	<0.01
Carbon Disulfide	mg/l	NA	<0.01	<0.01	<0.01	<0.01	<0.01
Carbon Tetrachloride	mg/l	0.5	<0.01	<0.01	<0.01	<0.01	<0.01
Chlorobenzene	mg/l	100.0	<0.01	<0.01	<0.01	<0.01	<0.01
Chloroform	mg/l	6.0	<0.01	<0.01	<0.01	<0.01	<0.01
1,2-Dichloroethane	mg/l	0.5	<0.01	<0.01	<0.01	<0.01	<0.01
1,1-Dichloroethylene	mg/l	0.7	<0.01	<0.01	<0.01	<0.01	<0.01
Ethyl Acetate	mg/l	NA	<0.01	<0.01	<0.01	<0.01	<0.01
Ethyl Benzene	mg/l	NA	<0.01	<0.01	<0.01	<0.01	<0.01
Ethyl Ether	mg/l	NA	<0.01	<0.01	<0.01	<0.01	<0.01
Isobutanol	mg/l	NA	<0.01	<0.01	<0.01	<0.01	<0.01
Methanol	mg/l	NA	<0.01	<0.01	<0.01	<0.01	<0.01
Methylene Chloride	mg/l	NA	<0.01	<0.01	<0.01	<0.01	<0.01

NA = Not Available

Smell # 92-09135 T.C.L.P. Volatile Analytes
in No. SP 92402

Lab Number 85062 (1-5)

JOHN PEDNEAULT
Lab Director



PEDNEAULT ASSOCIATES, INC. TESTING LABORATORIES
1615 NINTH AVENUE P O BOX 205 BOHEMIA, N.Y. 11716 (516) 467-8477
AFTER 5 PM. (516) 567-5579

January 29, 1993

TO: NYS Dept. Environmental Conservation
Region 2
47-20 21st Street
Long Island City, NY 11429

RE: 200 Morgan Street
Brooklyn, NY

Date: Collected 1/7/93 Analyzed 1/7-1/28/93 Report 1/29/93
Sampled on: 1/6/93

Sampling Point

1. Boring #17 (4' to 6') - TCLP Extraction
2. Boring #18 (4' to 6') - TCLP Extraction
3. Boring #18 (6' to 8') - TCLP Extraction
4. Boring #19 (10') - TCLP Extraction
5. Boring #20 (8' to 10') - TCLP Extraction

CONTAMINANT		Regulatory Level (mg/L)	1	2	3	4	5
Methyl ethyl ketone	mg/L	200.0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Methyl isobutyl ketone	mg/L	NA	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Tetrachloroethylene	mg/L	0.7	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Toluene	mg/L	NA	< 0.01	< 0.01	< 0.01	0.04	0.23
1,1,1-Trichloroethane	mg/L	NA	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Trichloroethylene	mg/L	0.5	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Trichlorofluoromethane	mg/L	NA	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/L	NA	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Vinyl chloride	mg/L	0.2	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Xylene	mg/L	NA	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01

NA = Not Available

Spill # 92-09135
P. No. SP 92402 T.C.L.P. Volatile Analytes

Lab Number 85062 (1-5)

JOHN PEDNEAULT
Lab Director



PEDNEAULT ASSOCIATES, INC. TESTING LABORATORIES
1615 NINTH AVENUE P O BOX 205 BOHEMIA, N Y 11716 (516) 467-8477
AFTER 5 PM (516) 567-5579

January 29, 1993

TO: NYS Dept. Environmental Conservation
Region 2
47-20 21st Street
Long Island City, NY 11429

RE: 200 Morgan Avenue
Brooklyn, NY

Date: Collected 1/7/93 Analyzed 1/7-1/28/93 Report 1/29/93
Sampled on 1/6/93

Sampling Point

1. Boring #17 (4' to 6')
2. Boring #18 (4' to 6')
3. Boring #18 (6' to 8')
4. Boring #19 (10')
5. Boring #20 (8' to 10')

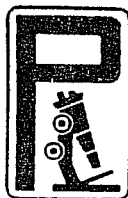
Parameters		MDL	1	2	3	4	5
Chloromethane	ppb	50	ND	ND	ND	ND	ND
Bromoethane	ppb	50	ND	ND	ND	ND	ND
Vinyl Chloride	ppb	50	ND	ND	ND	ND	ND
Chloroethane	ppb	50	ND	ND	ND	ND	ND
Methylene Chloride	ppb	50	ND	ND	ND	ND	ND
1,1-Dichloroethene	ppb	50	ND	ND	ND	ND	ND
1,1-Dichloroethane	ppb	50	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ppb	50	ND	ND	ND	ND	ND
Chloroform	ppb	50	ND	ND	ND	ND	ND
1,2-Dichloroethane	ppb	50	ND	ND	ND	ND	ND
Trichlorofluoromethane	ppb	50	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ppb	50	ND	ND	ND	ND	ND
Carbon Tetrachloride	ppb	50	ND	ND	ND	ND	ND
Bromodichloromethane	ppb	50	ND	ND	ND	ND	ND
1,2-Dichloropropane	ppb	50	ND	ND	ND	ND	ND
Total Xylenes	ppb	50	ND	ND	ND	323	< 50

ND = None Detected

Spill #92-09135
Pin No. SP 92402
Lab Number 85062 (1-5)

Method 8240
MDL = Method Detection Limit

JOHN PEDNEAULT
Lab Director



PEDNEAULT ASSOCIATES, INC. TESTING LABORATORIES
1615 NINTH AVENUE · P.O. BOX 205 BOHEMIA, N.Y. 11716 (516) 467-8477
AFTER 5 P.M. (516) 567-5579

January 29, 1993

TO: NYS Dept. Environmental Conservation
Region 2
47-20 21st Street
Long Island City, NY 11429

RE: 200 Morgan Avenue
Brooklyn, NY

Date: Collected 1/7/93 Analyzed 1/7-1/28/93 Report 1/29/93
Sampled On: 1/6/93

Sampling Point

1. Boring #17 (4' to 6')
2. Boring #18 (4' to 6')
3. Boring #18 (6' to 8')
4. Boring #19 (10')
- Boring #20 (8' to 10')

Parameters

		MDL	1	2	3	4	5
trans-1,3-Dichloropropene	ppb	50	ND	ND	ND	ND	ND
Trichloroethene	ppb	50	ND	ND	ND	ND	ND
Dibromochloromethane	ppb	50	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ppb	50	ND	ND	ND	ND	ND
Benzene	ppb	50	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ppb	50	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	ppb	50	ND	ND	ND	ND	ND
Bromoform	ppb	50	ND	ND	ND	ND	ND
Tetrachloroethene	ppb	50	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ppb	50	ND	ND	ND	ND	ND
Toluene	ppb	50	ND	ND	ND	68	ND
Chlorobenzene	ppb	50	ND	ND	ND	ND	ND
Ethylbenzene	ppb	50	ND	ND	ND	83	ND
1,3-Dichlorobenzene	ppb	50	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ppb	50	447	ND	ND	ND	ND
1,2-Dichlorobenzene	ppb	50	965	ND	ND	ND	ND

ND = None Detected

Spill # 92-09135
Pin No. SP 92402

Lab Number 85062 (105)

Method 8240

JOHN PEDNEAULT
Lab Director



TESTING LABORATORIES
P.O. BOX 205, 1615 NINTH AVENUE
BOHEMIA, N.Y. 11716

(516) 467-8177
AFTER 5 P.M. (516) 567-5579
FAX (516) 467-6905

January 22, 1993

TO: NYS Dept. Environmental Conservation
Region 2
47-20 21st Street
Long Island City, NY 11429

RE: 200 Morgan Avenue
Brooklyn, New York

Date: Collected 12/31/92 Analyzed 12/31-1/21/93 Report 1/22/93

Sampled On: 12/28/92

Sampling Point

1. Boring #1 (1'-2')
2. Boring #3 (2'-4')
3. Boring #9 (2'-4')
4. Boring #12 (2'-4')
5. Boring #13 (4'-6')

Parameters

		1	2	3	4	5
trans-1,3-Dichloropropene	ppb	ND	ND	ND	ND	ND
Trichloroethene	ppb	ND	ND	ND	ND	ND
Dibromochloromethane	ppb	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ppb	ND	ND	ND	ND	ND
Benzene	ppb	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ppb	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	ppb	ND	ND	ND	ND	ND
Bromoform	ppb	ND	ND	ND	ND	ND
Tetrachloroethene	ppb	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ppb	ND	ND	ND	ND	ND
Toluene	ppb	< 50	60	ND	ND	ND
Chlorobenzene	ppb	ND	ND	ND	ND	ND
Ethylbenzene	ppb	ND	37	ND	ND	ND
1,3-Dichlorobenzene	ppb	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ppb	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ppb	ND	ND	ND	ND	ND

Spill # 92-09135
Pin No. SP 92402

EPA Method 8240
Method Detection - 50 ppb

ND = None Detected

Lab Number 84941 (1-8)

JOHN PEDNEAULT
Lab Director



P.O. BOX 205, 1615 NINTH AVENUE

BOHEMIA, N.Y. 11716

AFTER 5 P.M. (516) 567-5570

FAX (516) 467-6905

January 22, 1993

TO: NYS Dept. Environmental Conservation
Region 2
47-20 21st Street
Long Island City, NY 11429

Date: Collected 12/31/92 **Analyzed** 12/31-1/21/93 **Report** 1/22/93

Sampled On: 12/28/92

Sampling Point

1. Boring #1 (1'-2')
2. Boring #3 (2'-4')
3. Boring #9 (2'-4')
4. Boring #12 (2'-4')
5. Boring #13 (4'-6')

[illegible]

Spill # 92-09135
Pin No. SP 92402

EPA Method 8240

Method Detection Limit - 50 ppb

Lab Number 84941 (1-8)

JOHN PEDNEAULT
Lab Director

im



P.O. BOX 205, 1615 NINTH AVENUE
BOHEMIA, N.Y. 11716

AFTER 5 PM (516) 467-3111

FAX (516) 467-3306

January 22, 1993

TO: NYS Dept. Environmental Conservation
Region 2
47-20 21st Street
Long Island City, NY 11429

RE: 200 Morgan Avenue
Brooklyn, NY

Date: Collected 12/31/92 Analyzed 12/31-1/21/93 Report 1 22-93

Sampled On: 12/28/92

Sampling Point

1. Boring #1 (6'-8')
2. Boring #2 (6'-8')
- 3.
- 4.
- 5.

Parameters

		1	2	3	4	5
Chloromethane	ppb	ND	ND			
Bromoethane	ppb	ND	ND			
Vinyl Chloride	ppb	ND	ND			
Chloroethane	ppb	ND	ND			
Methylene Chloride	ppb	ND	ND			
1,1-Dichloroethene	ppb	ND	ND			
1,1-Dichloroethane	ppb	ND	ND			
trans-1,2-Dichloroethene	ppb	ND	ND			
Chloroform	ppb	ND	ND			
1,2-Dichloroethane	ppb	ND	ND			
Trichlorofluoromethane	ppb	ND	ND			
1,1,1-Trichloroethane	ppb	ND	ND			
Carbon Tetrachloride	ppb	ND	ND			
Bromodichloromethane	ppb	ND	ND			
1,2-Dichloropropane	ppb	ND	ND			
Total Xylenes	ppb	ND	183			

Spill # 92-09135
Pin No. SP 92402

EPA Method 8240 +15

Method Detection - 50 ppb
ND = None Detected

Lab Number 84941 (1-8)

JOHN PEDNEAULT
Lab Director



TESTING LABORATORIES
P.O. BOX 205, 1615 NINTH AVENUE
BOHEMIA, N.Y. 11716

TELEPHONE (516) 507-5570
AFTER 5 PM (516) 507-5570
FAX (516) 467-6905

January 22, 1993

TO: NYS Dept. Environmental Conservation
Region 2
47-20 21st Street
Long Island City, NY 11429

RE: 200 Morgan Avenue
Brooklyn, New York

Date: Collected 12/31/92 Analyzed 12/31-1/21/93 Report 1 00 25

Sampled On: 12/28/92

Sampling Point

1. Boring #1 (6'-8')
2. Boring #2 (6'-8')
3.
4.
5.

Parameters		1	2	3	4	5
trans-1,3-Dichloropropene	ppb	ND	ND			
Trichloroethene	ppb	ND	ND			
Dibromochloromethane	ppb	ND	ND			
1,1,2-Trichloroethane	ppb	ND	ND			
Benzene	ppb	ND	ND			
cis-1,3-Dichloropropene	ppb	ND	ND			
2-Chloroethyl vinyl ether	ppb	ND	ND			
Bromoform	ppb	ND	ND			
Tetrachloroethene	ppb	ND	ND			
1,1,2,2-Tetrachloroethane	ppb	ND	ND			
Toluene	ppb	54	ND			
Chlorobenzene	ppb	ND	ND			
Ethylbenzene	ppb	ND	56			
1,3-Dichlorobenzene	ppb	ND	ND			
1,4-Dichlorobenzene	ppb	ND	ND			
1,2-Dichlorobenzene	ppb	ND	ND			

ILL # 92-09135
n No. SP 92402

EPA Method 8240+15
Method Detection - 50 ppb

ND = None Detected

ab Number 84941 (1-8)

JOHN PEDNEAULT
Lab Director



PEDNEAULT ASSOCIATES, INC.

TESTING LABORATORIES

P.O. BOX 205, 1615 NINTH AVENUE

BOHEMIA, N.Y. 11716

(516) 467-5477

AFTER 5 PM (516) 567-5570

FAX (516) 467-5205

January 25, 1993

TO: NYS Dept. Environmental Conservation
Region 2
47-20 21st Street
Long Island City, NY 11429

RE: 200 Morgan Street
Brooklyn, NY

Date: Collected 1/4/93 Analyzed 1-4-1-25-93 Report

Sampled On 12/31/92

Sampling Point

1. B-10 (4' to 6')
2. B-11 (4' to 6')
3. B-14 (4' to 6')
4. B-15 (4' to 6')
5. B-16 (4' to 6')

Parameters		1	2	3	4	5
Chloromethane	ppb	ND	ND	ND	ND	ND
Bromoethane	ppb	ND	ND	ND	ND	ND
Vinyl Chloride	ppb	ND	ND	ND	ND	ND
Chloroethane	ppb	ND	ND	ND	ND	ND
Methylene Chloride	ppb	ND	ND	ND	ND	ND
1,1-Dichloroethene	ppb	ND	ND	ND	ND	ND
1,1-Dichloroethane	ppb	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ppb	ND	ND	ND	ND	ND
Chloroform	ppb	ND	ND	ND	ND	ND
1,2-Dichloroethane	ppb	ND	ND	ND	ND	ND
Trichlorofluoromethane	ppb	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ppb	ND	ND	ND	ND	ND
Carbon Tetrachloride	ppb	ND	ND	ND	ND	ND
Bromodichloromethane	ppb	ND	ND	ND	ND	ND
1,2-Dichloropropane	ppb	ND	ND	ND	ND	ND
Total Xylenes	ppb	ND	4450	ND	ND	ND

Spill # 92-09135
Pin No. SP 92402

ND = None Detected
Method Detection Limit - 50 ppb

Lab Number 84961 (1-5)

RE: EPA 8240

JOHN PEDNEAULT
Lab Director



PEDNEAULT ASSOCIATES, INC.

TESTING LABORATORIES

P.O. BOX 205, 1615 NINTH AVENUE

BOHEMIA, N.Y. 11716

(516) 467-8477

AFTER 5 P.M. (516) 567-5579

FAX (516) 467-6905

January 25, 1993

TO: NYS Dept. Environmental Conservation
Region 2
47-20 21st Street
Long Island City, NY 11429

RE: 200 Morgan Street
Brooklyn, NY

Date: Collected 1/14/93 Analyzed 1/14-1/25/93 Report 25/93

Sampled On 12/31/92

Sampling Point

1. B-10 (4' to 6')
2. B-11 (4' to 6')
3. B-14 (4' to 6')
4. B-15 (4' to 6')
5. B-16 (4' to 6')

Parameters		1	2	3	4	5
trans-1,3-Dichloropropene	ppb	ND	ND	ND	ND	ND
Trichloroethene	ppb	ND	ND	ND	ND	ND
Dibromochloromethane	ppb	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ppb	ND	ND	ND	ND	ND
Benzene	ppb	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ppb	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	ppb	ND	ND	ND	ND	ND
Bromoform	ppb	ND	ND	ND	ND	ND
Tetrachloroethene	ppb	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ppb	ND	ND	ND	ND	ND
Toluene	ppb	ND	293	ND	< 50	ND
Chlorobenzene	ppb	ND	ND	ND	ND	ND
Ethylbenzene	ppb	ND	802	ND	ND	ND
1,3-Dichlorobenzene	ppb	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ppb	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ppb	ND	ND	ND	ND	ND

Snill # 92-09135
in No. SP 92402

ND = None Detected

Method Detection Limit - 0.5 ppb
JOHN PEDNEAULT
Lab Director

Lab Number 84961 (1-5)

RE: EPA 8240

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. C932471/9

02/23/93

N.Y.S. - D.E.C., Region 2
222-24 96th. Street
Queens Village, NY 11423

ATTN: Anthony Sigons

SOURCE OF SAMPLE: Morgan Terminal, Brooklyn, TOLPZHE

COLLECTED BY: Fen&Nicol DATE COL'D: 02/03/93 RECEIVED: 02/03/93

SAMPLE: Oil sample, FH-11

ANALYTICAL PARAMETERS

Carbon Tetrachloride	ug/L.	<1000
Chlorobenzene	ug/L.	<2000
Chloroform	ug/L.	<1000
1,4 Dichlorobenzene	ug/L.	<2000
1,2 Dichloroethane	ug/L.	<1200
1,1 Dichloroethane	ug/L.	<1000
Methyl Ethyl Ketone	ug/L.	<20000
Tetrachloroethene	ug/L.	<1000
Trichloroethylene	ug/L.	<1000
Vinyl Chloride	ug/L.	<1000
Benzene	ug/L.	3100

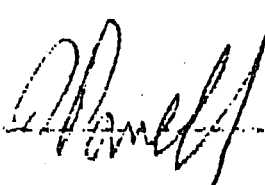
ANALYTICAL PARAMETERS

cc: Mustafa Flisbaw

REMARKS: Spill No. 92-09135. PIN No. SP 92402.

• All analysis on this page was performed on TOLP according to USEPA Method 1311.

Date of Analysis: TOLP 02/05/93, VOCs 02/17/93

DIRECTOR 

ECOTEST LABORATORIES, INC.

ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAR NO. C930471/9

02/23/93

N.Y.S. - D.E.C., Region 2
222-34 36th. Street
Queens Village, NY 11429

ATTN: Anthony Sigona

SOURCE OF SAMPLE: Morgan Terminal, Brooklyn, TOLPSV
COLLECTED BY: Feb & Nicol DATE COL'D: 02/03/93 RECEIVED: 02/03/93

SAMPLE: Oil sample, FN-11
UNITS: ug/L

ANALYTICAL PARAMETERS

Lindane	<250
Endrin	<250
Methoxychlor	<500
Toxaphene	<5000
Chlordane	<1250
Heptachlor	<250
Heptachlor Epoxide	<250
2,4-D	<1000
2,4,5-TP	<1000
2-Methylphenol (o-cresol)	<50000
3-Methylphenol (m-cresol)	<50000
4-Methylphenol (p-cresol)	<50000
Pentachlorophenol	<50000
2,4,5-Trichlorophenol	<50000
2,4,6-Trichlorophenol	<50000
2,4-Dinitrotoluene	<50000
Hexachlorobenzene	<50000
Hexachlorocyclopentadiene	<50000
Hexachlorocyclohexane	<50000
Nitrobenzene	<50000
Pyridine	<50000

ANALYTICAL PARAMETERS

cc: Mustafa Elschamy

REMARKS: Spill No. 92-09135. PIN No. SP 92402.

• All analysis on this page was performed on TCLP leachate
per USEPA Method 1311.

Date of Analysis: TCLP-02/05/93, BN/AE-02/18/93

DIRECTOR

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. C930471/1

02/23/93

N.Y.S. - D.E.C., Region 2
222-34 56th. Street
Queens Village, NY 11427

ATTN: Anthony Sigona

SOURCE OF SAMPLE: Morgan Terminal, Brooklyn
COLLECTED BY: PenNicol DATE COL'D: 02/03/93 RECEIVED: 02/03/93

SAMPLE: Water sample, FN-1, (monitoring well)

ANALYTICAL PARAMETERS

Gasoline	*	N.D.
Lubricating Oil	*	N.D.
Kerosene	ul/L	<0.1
Fuel Oil	ul/L	0.5+

ANALYTICAL PARAMETERS

Mohamada Elechany

REMARKS: Spill No. 92-09135. PIN No. SP 92402.

- * Analyzed by NYSDOH Method 310-13: Petroleum Products (in Driftation Scan). Gasoline & lubricating oil cannot be quantified by this method. ul/Kg roughly equiv. to PPM
- ** #2 fuel oil.

Date of Analysis: 02/22/93.

DIRECTOR

ECOTEST LABORATORIES, INC.

ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. C930471/2

02/23/93

N.Y.S. - D.E.C., Region 2
222-34 96th. Street
Queens Village, NY 11427

ATTN: Anthony Sigona

SOURCE OF SAMPLE: Morgan Terminal, Brooklyn
COLLECTED BY: Fenil Nicol DATE COL'D: 02/03/93 RECEIVED: 02/03/93

SAMPLE: Water sample, FN-2, (monitoring well)

ANALYTICAL PARAMETERS

ANALYTICAL PARAMETERS

Gasoline	•	Present
Lubricating Oil	•	N.D.
Kerosene	UL/L	<0.1
Fuel Oil	UL/L	<0.1

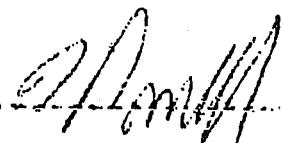
cc: Mostafa Elechawy

REMARKS: Spill No. 92-69135. PIN No. SP 93402.

- * Analyzed by NYSDOH Method 310-13: Petroleum Products (Hydrocarbon Scan). Gasoline & lubricating oil cannot be quantified by this method. UL/Kg roughly equiv. to PPM.
- ** #2 fuel oil.

Date of Analysis: 02/03/93.

DIRECTOR



ECOTEST LABORATORIES, INC.

ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAD NO. C990471/3

02/23/93

N.Y.S. - D.E.C., Region 2
222-34 96th. Street
Queens Village, NY 11423

ATTN: Anthony Sigona

SOURCE OF SAMPLE: Morgan Terminal, Brooklyn
COLLECTED BY: Fenelon DATE COL'D: 02/03/93 RECEIVED: 02/03/93

SAMPLE: Water sample, FN-3, (monitoring well)

ANALYTICAL PARAMETERS

Gasoline	•	Present
Lubricating Oil	•	N.D.
Kerosene	•	UL/L • <2.1
Fuel Oil	•	UL/L • <0.1

ANALYTICAL PARAMETERS

cc: Mostafa Elschawy

REMARKS: Spill No. 92-09135. FIN No. SF 92402.
• Analyzed by NYSDOH Method 310-13: Petroleum Products (H. drocarbon Scan). Gasoline & lubricating oil cannot be quantified by this method. UL/Kg roughly equiv. to PPM
• #2 fuel oil.
Date of Analysis: 02/03/93.

DIRECTOR

NYSDOH ID# 10320

ECOTEST LABORATORIES, INC.

ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. C970471/4

02/23/93

N.Y.S. - D.E.C., Region 2
222-34 96th. Street
Queens Village, NY 11429

ATTN: Anthony Sigona

SOURCE OF SAMPLE: Morgan Terminal, Brooklyn
COLLECTED BY: Pen & Nicol DATE COL'D: 02/03/93 RECEIVED: 02/03/93

SAMPLE: Water sample, FH-4, (monitoring well)

ANALYTICAL PARAMETERS

Gasoline	•	N.D.
Lubricating Oil	•	N.D.
Kerosene	UL/L	<0.1
Fuel Oil	UL/L	<0.1

ANALYTICAL PARAMETERS

cc: Mustafa Elasham

REMARKS: Spill No. 92-09135. PIN No. SP 92432.
• Analyzed by NYSDOH Method 310-13: Petroleum Products (H
drocarbon Scan). Gasoline & lubricating oil cannot be
quantified by this method. UL/Kg roughly equiv. to PPM
• #2 fuel oil.
Date of Analysis: 02/08/93.

DIRECTOR

NYSDOH ID# 10320

ECOTEST LABORATORIES, INC.

ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. C920471/S

02/23/93

N.Y.S. - D.E.C., Region 2
222-34 96th. Street
Queens Village, NY 11429

ATTN: Anthony Sigona

SOURCE OF SAMPLE: Morgan Terminal, Brooklyn
COLLECTED BY: Fern Nicol DATE COL'D: 02/02/93 RECEIVED: 02/02/93

SAMPLE: Water sample, PW-3, (monitoring well)

ANALYTICAL PARAMETERS

Gasoline	-	Present
Lubricating Oil	-	N.D.
Kerosene	ul/L.	<0.1
Fuel Oil	ul/L.	<0.1

ANALYTICAL PARAMETERS

cc: Mustafa Elashany

REMARKS: Spill No. 92-09133. PIN No. SP 92402.
* Analyzed by NYSDOH Method 310-13: Petroleum Products (dioxycarbon Scan). Gasoline & lubricating oil cannot be quantified by this method. ul/Eg roughly equiv. to FF.
** #2 fuel oil.
Date of Analysis: 02/20/93.

DIRECTOR

100

1993

NYSDOH ID# 10320

ECOTEST LABORATORIES, INC.

ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. C920471/S

02/23/93

H.Y.S. - D.E.C., Region 2
222-34 36th. Street
Queens Village, NY 11429

ATTN: Anthony Sigona

SOURCE OF SAMPLE: Morgan Terminal, Brooklyn
COLLECTED BY: PenNicol DATE COL'D: 02/03/93 RECEIVED: 02/03/93

SAMPLE: Water sample, FN-6, (monitoring well)

ANALYTICAL PARAMETERS

Gasoline	•	N.D.
Lubricating Oil	•	N.D.
Kerosene	UL/L.	<0.1
Fuel Oil	UL/L.	<0.1

ANALYTICAL PARAMETERS

cc: Mustafa Elschamy

REMARKS: Spill No. 92-09135. PIN No. SP 92402.

- Analyzed by NYSDOH Method 310-13: Petroleum Products (hydrocarbon Screen). Gasoline & lubricating oil cannot be quantified by this method. UL/Kg roughly equiv. to PPR.
- #2 fuel oil.

Date of Analysis: 02/09/93.

DIRECTOR



ECOTEST LABORATORIES, INC.

ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. C920471/S

02/23/93

N.Y.S. - D.E.C., Region 2
222-34 96th. Street
Queens Village, NY 11429

ATTN: Anthony Sigona

SOURCE OF SAMPLE: Morgan Terminal, Brooklyn
COLLECTED BY: PenNicol DATE COL'D: 02/03/93 RECEIVED: 02/03/93

SAMPLE: Water sample, FN-6, (monitoring well)

ANALYTICAL PARAMETERS

Gasoline	•	N.D.
Lubricating Oil	•	N.D.
Kerosene	uL/L:	<0.1
Fuel Oil	uL/L:	<0.1

ANALYTICAL PARAMETERS

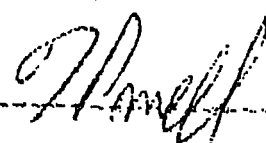
cc: Mustafa Elchamy

REMARKS: Spill No. 92-09135. PIN No. SP 92402.

- Analyzed by NYSDOH Method 310-13: Petroleum Products (hydrocarbon Screen). Gasoline & lubricating oil cannot be quantified by this method. uL/Kg roughly equiv. to PPM.
- #2 fuel oil.

Date of Analysis: 02/09/93.

DIRECTOR



ECOTEST LABORATORIES, INC.

ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770
LAB NO. C930471/7

02/23/93

N.Y.S. - D.E.C., Region 2
222-34 36th. Street
Queens Village, NY 11429

ATTN: Anthony Sigons

SOURCE OF SAMPLE: Morgan Terminal, Brooklyn
COLLECTED BY: Fen&Nicol DATE COL'D: 02/03/93 RECEIVED: 02/03/93

SAMPLE: Water sample, FN-7, (monitoring well)

ANALYTICAL PARAMETERS

Gasoline	•	N.C.
Lubricating Oil	•	N.D.
Kerosene	uL/L	<0.1
Fuel Oil	uL/L	<0.1

ANALYTICAL PARAMETERS

cc: Mustafa Elshehry

REMARKS: Spill No. 92-09135. PIN No. SP 92402.
• Analyzed by NYSDOH Method 312-13: Petroleum Products (H
drocarbon Scan). Gasoline & lubricating oil cannot be
quantified by this method. uL/Kg roughly equiv. to PFN
#2 fuel oil.
Date of Analysis: 02/03/93.

DIRECTOR

PG#

1025

NYSDOH ID# 10320

C - HYDROCARBON SAMPLING RESULTS (F&N)



TO: NYS Dept Environmental Conservation
Region 2
47-20 21st Street
Long Island City, New York

Date: Collected ... 12/29/92 Analyzed ... 12/29 - 1/15/93 Report ... 1/15/93
Sampled on: 12/24/92

Sampled on: 12/24/92

Sampling Point

B-5 Composite

TCLP Extraction

VITAMINANT

Regulatory
Level (mg/L)

1

2

3

1997

5

[illegible]

Spill # 92-09135

Pin # SP 92402

T.C.L.P. Inorganic analytes

Lab Number

84897

jao

JOHN PEDNEAULT
Lab Director



PEDNEAULT ASSOCIATES, INC. TESTING LABORATORIES
1615 NINTH AVENUE · P.O. BOX 205 · BOHEMIA, N.Y. 11716 · (516) 467-8477
AFTER 5 P.M. (516) 567-5579

January 15, 1993

TO: NYS Dept Environmental Conservation
Region 2
47-20 21st Street
Long Island City, New York 11429

Spill Location
Morgan Terminal

Date: Collected ..12/29/92..... **Analyzed** 12/29 - 1/15/93... **Report** 1/15/93.....

Sampled on 12/24/92

Sampling Point

1. B-5 Composite
- 2.
- 3.
- 4.
- 5.

Parameters

		1	2	3	4	5
PCBs						
1016	ug/kg	<1.0				
1221	ug/kg	<1.0				
1232	ug/kg	<1.0				
1242	ug/kg	<1.0				
1248	ug/kg	<1.0				
1254	ug/kg	<1.0				
1260	ug/kg	<1.0				

Spill # 92-09135
Pin # SP 92402

Lab Number 84897
jao

JOHN PEDNEAULT
Lab Director



PEDNEAULT ASSOCIATES, INC. TESTING LABORATORIES
1615 NINTH AVENUE P.O. BOX 205 BOHEMIA, N.Y. 11716 (516) 467-8477
AFTER 5 PM. (516) 567-5579

January 15, 1993

TO: NYS Dept Environmental Conservation
Region 2
47-20 21st Street
Long Island City, New York 11101

Spill Location
200 Morgan Avenue
Brooklyn, NY

Date: Collected 12/28/92 Analyzed 12/28 - 1/15/93 Report 1/15/93

Sampled on: 12/23/92

Sampling Point

1. Tank # 3 TCLP Extraction
2. Tank # 4 TCLP Extraction
3. Tank # 5 TCLP Extraction
4. Tank # 6 TCLP Extraction
5. Tank # 7 TCLP Extraction

CONTAMINANT		Regulatory Level (mg/l)	1	2	3	4	5
Acetone	mg/l	NA	0.04	0.02	<0.01	<0.01	<0.01
Benzene	mg/l	0.5	<0.01	<0.01	<0.01	<0.01	<0.01
n-Butylalcohol	mg/l	NA	<0.01	<0.01	<0.01	<0.01	<0.01
Carbon Disulfide	mg/l	NA	<0.01	<0.01	<0.01	<0.01	<0.01
Carbon Tetrachloride	mg/l	0.5	<0.01	<0.01	<0.01	<0.01	<0.01
Chlorobenzene	mg/l	100.0	<0.01	<0.01	<0.01	<0.01	<0.01
Chloroform	mg/l	6.0	<0.01	<0.01	<0.01	<0.01	<0.01
1,2-Dichloroethane	mg/l	0.5	<0.01	<0.01	<0.01	<0.01	<0.01
1,1-Dichloroethylene	mg/l	0.7	<0.01	<0.01	<0.01	<0.01	<0.01
Ethyl Acetate	mg/l	NA	<0.01	<0.01	<0.01	<0.01	<0.01
Ethyl Benzene	mg/l	NA	<0.01	<0.01	<0.01	<0.01	<0.01
Ethyl Ether	mg/l	NA	<0.01	<0.01	<0.01	0.01	<0.01
Isobutanol	mg/l	NA	<0.01	<0.01	<0.01	<0.01	<0.01
Methanol	mg/l	NA	<0.01	<0.01	<0.01	<0.01	<0.01
Methylene Chloride	mg/l	NA	<0.01	<0.01	<0.01	<0.01	<0.01

NA = Not Available
Tel # 92-09135

Pin# SP 92402 T.C.L.P. Volatile Analytes

cc: Fenley and Nicol
Lab Number 84846 A-E

JOHN PEDNEAULT
Lab Director



PEDNEAULT ASSOCIATES, INC. TESTING LABORATORIES
1615 NINTH AVENUE P.O. BOX 205 BOHEMIA, N.Y. 11716 (516) 467-8477
AFTER 5 PM (516) 567-5579

January 15, 1993

TO: NYS Dept Environmental Conservation
Region 2
47-20 21st Street
Long Island City, New York 11101

Spill Location
200 Morgan Avenue
Brooklyn, NY

Date: Collected 12/28/92 Analyzed 12/28 - 1/15/93 Report 1/15/93
Sampled on: 12/23/92

Sampling Point

1. Tank # 3
2. Tank # 4
3. Tank # 5
4. Tank # 5
5. Tank # 6

CONTAMINANT		Regulatory Level (mg/l)	1	2	3	4	5
Methyl ethyl ketone	mg/l	200.0	<0.01	<0.01	<0.01	<0.01	<0.01
Methyl isobutyl ketone	mg/l	NA	<0.01	<0.01	<0.01	<0.01	<0.01
Tetrachloroethylene	mg/l	0.7	<0.01	<0.01	<0.01	<0.01	<0.01
Toluene	mg/l	NA	<0.01	<0.01	<0.01	0.02	<0.01
1,1,1-Trichloroethane	mg/l	NA	<0.01	<0.01	<0.01	<0.01	<0.01
Trichloroethylene	mg/l	0.5	<0.01	<0.01	<0.01	<0.01	<0.01
Trichlorofluoromethane	mg/l	NA	<0.01	<0.01	<0.01	<0.01	<0.01
1,1,2-Trichloro-1,2,2-trifluoroethane		NA	<0.01	0.01	<0.01	<0.01	<0.01
Vinyl chloride	mg/l	0.2	<0.01	<0.01	<0.01	<0.01	<0.01
Xylene	mg/l	NA	<0.01	<0.01	<0.01	0.04	0.07

NA = Not Available

Spill # 92-09135

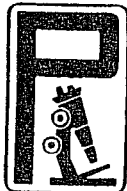
an # SP 92402

T.C.L.P. Volatile Analytes

Lab Number 84846 A-E

jao

JOHN PEDNEAULT
Lab Director



PEDNEAULT ASSOCIATES, INC. TESTING LABORATORIES
1615 NINTH AVENUE · P.O. BOX 205 · BOHEMIA, N.Y. 11716 · (516) 467-8477
AFTER 5 P.M. (516) 567-5579

January 15, 1993

TO: NYS Dept Environmental Conservation
Region 2
47-20 21st Street
Long Island City, New York 11101

Spill Location
200 Morgan Avenue
Brooklyn, NY

Date: Collected 12/28/92 **Analyzed** 12/28 - 1/15/93 **Report** 1/15/93
Sampled 12/23/92

Sampling Point

1. Tank # 3
2. Tank # 4
3. Tank # 5
4. Tank # 6
5. Tank # 7

Parameters

	1	2	3	4	5
PCBs					
1016	<1.0	<1.0	<1.0	<1.0	<1.0
1221	<1.0	<1.0	<1.0	<1.0	<1.0
1232	<1.0	<1.0	<1.0	<1.0	<1.0
1242	<1.0	<1.0	<1.0	<1.0	<1.0
1248	<1.0	<1.0	<1.0	<1.0	<1.0
1254	<1.0	<1.0	<1.0	<1.0	<1.0
1260	<1.0	<1.0	<1.0	<1.0	<1.0

Spill # 92-09135

Pin # SP 92402

cc: Fenely and Nicol
Lab Number 84846 A-E

jao

JOHN PEDNEAULT
Lab Director

PEDNEAULT ASSOCIATES, INC.

TESTING LABORATORIES

P.O. BOX 205, 1615 NINTH AVENUE

BOHEMIA, N.Y. 11716

(516) 467-8477

AFTER 5 P.M. (516) 567-5579

FAX (516) 467-6905

January 15, 1993

TO: NYS Dept Environmental Conservation
REgion 2
47-20 21st Street
Long Island City, New York 11101

Spill Location
200 Morgan Avenue
Brooklyn, NY

Date: Collected 12/28/92 **Analyzed** 12/28 - 1/15/93 **Report** 1/15/93
Sampled 12/23/92

Sampled 12/23/92

Sampling Point

- Sampling Point**
1. Tank # 3
2. Tank # 4
3. Tank # 5
4. Tank # 6
5. Tank # 7

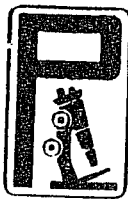
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Spill # 92-09135
Pin # SP 92402

cc: Fenley and Nicol

Lab Number 84846 A-E
iao

JOHN PEDNEAULT
Lab Director



PEDNEAULT ASSOCIATES, INC. TESTING LABORATORIES
1615 NINTH AVENUE P.O. BOX 205 BOHEMIA, N.Y. 11716 (516) 467-8477
AFTER 5 PM (516) 567-5579

January 15, 1993

TO: NYS Dept Environmental Conservation
Region 2
47-20 21st Street
Long Islnd City, New York 11101

Spill Location
200 Morgan Avenue
Brooklyn, NY

Date: Collected 12/28/92 Analyzed 12/28 - 1/15/93 Report 1/15/93
Sampled on: 12/23/93

Sampling Point

1. Tank # 3 TCLP Extraction
2. Tank # 4 TCLP Extraction
3. Tank # 5 TCLP Extraction
4. Tank # 6 TCLP Extraction
5. Tank # 7 TCLP Extraction

CONTAMINANT		Regulatory Level (mg/l)	1	2	3	4	5
Arsenic	mg/l	5.0	<0.300	<0.300	<0.300	<0.300	<0.300
Barium	mg/l	100.0	0.075	0.012	0.020	0.007	0.102
Cadmium	mg/l	1.0	<0.001	<0.001	<0.001	<0.001	<0.001
Chromium	mg/l	5.0	<0.020	<0.020	<0.020	<0.020	<0.020
Lead	mg/l	5.0	<0.005	<0.005	<0.005	0.052	0.034
Mercury	mg/l	0.2	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Selenium	mg/l	1.0	<0.250	<0.250	<0.250	<0.250	<0.250
Silver	mg/l	5.0	<0.005	<0.005	<0.005	<0.005	<0.005

Spill # 92-09135

Pin # SP 92402

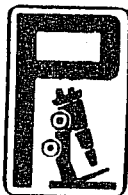
T.C.L.P. Inorganic analytes

cc: Fenley and Nicol

Lab Number 84846 A-E

jao

JOHN PEDNEAULT
Lab Director



PEDNEAULT ASSOCIATES, INC. TESTING LABORATORIES
1815 NINTH AVENUE P.O. BOX 205 BOHEMIA, N.Y. 11716 (516) 467 8477
AFTER 5 P.M. (516) 567 5579

January 15, 1993

TO: NYS Dept Environmental Conservation
Region 2
47-20 21st Street
Long Island City, New York 11429

Spill Location
Morgan Terminal

Date: Collected 12/29/92 Analyzed 12/29 - 1/15/93 Report 1/15/93
Sampled on: 12/24/92

Sampling Point

1. B-5 Composite TCLP Extraction

2.

3.

4.

5.

CONTAMINANT		Regulatory Level (mg/l)	1	2	3	4	5
Acetone	mg/l	NA	<0.01				
Benzene	mg/l	0.5	<0.01				
n-Butylalcohol	mg/l	NA	<0.01				
Carbon Disulfide	mg/l	NA	<0.01				
Carbon Tetrachloride	mg/l	0.5	<0.01				
Chlorobenzene	mg/l	100.0	<0.01				
Chloroform	mg/l	6.0	<0.01				
1,2-Dichloroethane	mg/l	0.5	<0.01				
1,1-Dichloroethylene	mg/l	0.7	<0.01				
Ethyl Acetate	mg/l	NA	<0.01				
Ethyl Benzene	mg/l	NA	<0.01				
Ethyl Ether	mg/l	NA	<0.01				
Isobutanol	mg/l	NA	<0.01				
Methanol	mg/l	NA	<0.01				
Methylene Chloride	mg/l	NA	<0.01				

NA = Not Available

Spill #92-09135

Pin # SP 92402

T.C.L.P. Volatile Analytes

Lab Number 84897

jao

JOHN PEDNEAULT
Lab Director



PEDNEAULT ASSOCIATES, INC. TESTING LABORATORIES
1815 NINTH AVENUE P.O. BOX 205 BOHEMIA, N.Y. 11716 (516) 467-8477
AFTER 5 PM (516) 567-5579

January 15, 1993

TO: NYS Dept Environmental Conservation
Region 2
47-20 21st Street
Long Island City, New York 11429

Spill Location
Morgan Terminal

Date: Collected 12/29/92 Analyzed 12/29 - 1/15/93 Report 1/15/93
Sampled on: 12/24/92

Sampling Point

1. B-5 Composite. TCLP Extraction
- 2.
- 3.
- 4.
- 5.

CONTAMINANT		Regulatory Level (mg/l)	1	2	3	4	5
Methyl ethyl ketone	mg/l	200.0	<0.01				
Methyl isobutyl ketone	mg/l	NA	<0.01				
Tetrachloroethylene	mg/l	0.7	<0.01				
Toluene	mg/l	NA	<0.01				
1,1,1-Trichloroethane	mg/l	NA	<0.01				
Trichloroethylene	mg/l	0.5	<0.01				
Trichlorofluoromethane	mg/l	NA	<0.01				
1,1,2-Trichloro-1,2,2-trifluoroethane		NA	<0.01				
Vinyl chloride	mg/l	0.2	<0.01				
Xylene	mg/l	NA	<0.01				

NA = Not Available

Spill # 92-09135

Pin # SP 92402 T.C.L.P. Volatile Analytes

Lab Number 84897

jao

JOHN PEDNEAULT
Lab Director



PEDNEAULT ASSOCIATES, INC. TESTING LABORATORIES
1615 NINTH AVENUE · P.O. BOX 205 · BOHEMIA, N.Y. 11716 · (516) 467-8477
AFTER 5 P.M. (516) 567-5579

January 6, 1993

TO: NYS Dept Environmental Conservation
Region 2
47-20 21st Street
Long Island City, New York 11101

Spill Location
200 Morgan Avenue
Brooklyn, NY

Date: Collected 12/22/92 Analyzed 12/22 - 1/5/93 Report 1/5/93
Sampled 12/22/92

Sampling Point

1. Tank # 1
2. Tank # 2
- 3.
- 4.
- 5.

Parameters	1	2	3	4	5
PCBs					
1016 ug/l	<1.0	<1.0			
1221 ug/l	<1.0	<1.0			
1232 ug/l	<1.0	<1.0			
1242 ug/l	<1.0	<1.0			
1248 ug/l	<1.0	<1.0			
1254 ug/l	<1.0	<1.0			
1260 ug/l	<1.0	<1.0			

Spill # 92-09135

Pin # SP 92402

cc: Fenley and Nicol

Lab Number 84783 A,B

jao

JOHN PEDNEAULT
Lab Director



PEDNEAULT ASSOCIATES, INC. TESTING LABORATORIES
1815 NINTH AVENUE P.O. BOX 205 BOHEMIA, N.Y. 11716 (516) 467-8477
AFTER 5 P.M. (516) 567-5579

January 6, 1993

TO: NYS Dept. Environmental Conservation
Region 2
47-20 21st Street
Long Island City, NY 11101

RE: 200 Morgan Avenue
Brooklyn, NY

Date: Collected 12/22/92 Analyzed 12/22-1/5/93 Report 1/6/93

Sampled on: 12/22/92

Sampling Point

1. G-1 Oil and Water Separator - TCLP Extraction

2. G-2 Oil and Water Separator - TCLP Extraction

3. G-3 Storm Drain - TCLP Extraction

4. G-6 Storm Drain - TCLP Extraction

5.

CONTAMINANT		Regulatory Level (mg/l)	1	2	3	4	5
Arsenic	mg/l	5.0	< 0.300	< 0.300	< 0.300	< 0.300	
Barium	mg/l	100.0	< 0.004	< 0.004	0.157	0.277	
Cadmium	mg/l	1.0	< 0.001	< 0.001	< 0.001	0.005	
Chromium	mg/l	5.0	< 0.020	< 0.020	< 0.020	< 0.020	
Lead	mg/l	5.0	0.111	0.039	0.080	0.094	
Mercury	mg/l	0.2	< 0.0005	< 0.0005	< 0.0005	< 0.0005	
Selenium	mg/l	1.0	< 0.250	< 0.250	< 0.250	< 0.250	
Silver	mg/l	5.0	< 0.005	< 0.005	< 0.005	< 0.005	

Spill # 92-09135
in No. SP 92402

T.C.L.P. Inorganic analytes

cc: Fenley and Nicol

Lab Number 84781 (1-4)

JOHN PEDNEAULT
Lab Director



PEDNEAULT ASSOCIATES, INC. TESTING LABORATORIES
1615 NINTH AVENUE · P.O. BOX 205 · BOHEMIA, N.Y. 11716 · (516) 467-8477
AFTER 5 P.M. (516) 567-5579

January 6, 1992

TO: NYS Dept. Environmental Conservation
Region 2
47-20 21st Street
Long Island City, NY 11101

RE: 200 Morgan Avenue
Brooklyn, NY

Date: Collected 12/22/92 Analyzed Report

Sampling Point

1. G-1 Oil and Water Separator
2. G-2 Oil and Water Separator
3. G-3 Storm Drain
4. G-6 Storm Drain
- 5.

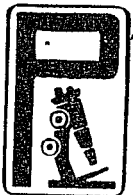
Parameters		1	2	3	4	5
PCBs						
1016						
1221	ug/kg	< 1.0	< 1.0	< 1.0	< 1.0	
1232	ug/kg	< 1.0	< 1.0	< 1.0	< 1.0	
1242	ug/kg	< 1.0	< 1.0	< 1.0	< 1.0	
1248	ug/kg	< 1.0	< 1.0	< 1.0	< 1.0	
1254	ug/kg	< 1.0	< 1.0	< 1.0	< 1.0	
1260	ug/kg	< 1.0	< 1.0	< 1.0	< 1.0	

Spill # 92-09135
Pin No. SP 92402

cc: Fenley and Nicol

Lab Number 84781 (1-4)

JOHN PEDNEAULT
Lab Director



PEDNEAULT ASSOCIATES, INC. TESTING LABORATORIES
1815 NINTH AVENUE P.O. BOX 205 BOHEMIA, N.Y. 11716 (516) 467-8477
AFTER 5 PM (516) 567 5579

January 6, 1992

TO: NYS Dept. Environmental Conservation
Region 2
47-20 21st Street
Long Island City, NY 11101

RE: 200 Morgan Avenue
Brooklyn, NY

Date: Collected 12/22/92 Analyzed ... 12/22-1/5/93 Report 1/6/93
Sampled on: 12/22/92

Sampling Point

1. G-1 Oil and Water Separator - TCLP Extraction
2. G-2 Oil and Water Separator - TCLP Extraction
3. G-3 Storm Drain - TCLP Extraction
4. G-6 Storm Drain - TCLP Extraction
- 5.

CONTAMINANT		Regulatory Level (mg/l)	1	2	3	4	5
Acetone	mg/l	NA	< 0.01	< 0.01	0.01	0.02	
Benzene	mg/l	0.5	< 0.01	< 0.01	< 0.01	0.04	
n-Butylalcohol	mg/l	NA	< 0.01	< 0.01	< 0.01	< 0.01	
Carbon Disulfide	mg/l	NA	< 0.01	< 0.01	< 0.01	< 0.01	
Carbon Tetrachloride	mg/l	0.5	< 0.01	< 0.01	< 0.01	< 0.01	
Chlorobenzene	mg/l	100.0	< 0.01	< 0.01	< 0.01	< 0.01	
Chloroform	mg/l	6.0	< 0.01	< 0.01	< 0.01	< 0.01	
1,2-Dichloroethane	mg/l	0.5	< 0.01	< 0.01	< 0.01	< 0.01	
1,1-Dichloroethylene	mg/l	0.7	< 0.01	< 0.01	< 0.01	< 0.01	
Ethyl Acetate	mg/l	NA	< 0.01	< 0.01	< 0.01	< 0.01	
Ethyl Benzene	mg/l	NA	< 0.01	< 0.01	0.01	0.09	
Ethyl Ether	mg/l	NA	< 0.01	< 0.01	< 0.01	< 0.01	
Isobutanol	mg/l	NA	< 0.01	< 0.01	< 0.01	< 0.01	
Methanol	mg/l	NA	< 0.01	< 0.01	< 0.01	< 0.01	
Methylene Chloride	mg/l	NA	< 0.01	< 0.01	< 0.01	< 0.01	

NA = Not Available

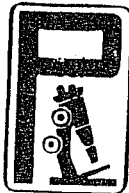
Call # 92-09135

Pin No. SP 92402 T.C.L.P. Volatile Analytes

cc: Fenley and Nicol

Lab Number 84781 (1-4)

JOHN PEDNEAULT
Lab Director



PEDNEAULT ASSOCIATES, INC. TESTING LABORATORIES
1615 NINTH AVENUE · P.O. BOX 205 BOHEMIA, N.Y. 11716 · (516) 467-8477
AFTER 5 P.M. (516) 567-5579

January 6, 1992

TO: NYS Dept. Environmental Conservation
Region 2
47-20 21st Street
Long Island City, NY 11101

RE: 200 Morgan Avenue
Brooklyn, NY

Date: Collected 12/22/92 Analyzed 12/22-1/5/93 Report 1/6/93
Sampled on: 12/22/92

Sampling Point

1. G-1 Oil and Water Separator - TCLP Extraction
2. G-2 Oil and Water Separator - TCLP Extraction
3. G-3 Storm Drain - TCLP Extraction
4. G-6 Storm Drain - TCLP Extraction
- 5.

CONTAMINANT		Regulatory Level (mg/l)	1	2	3	4	5
Methyl ethyl ketone	mg/l	200.0	< 0.01	< 0.01	< 0.01	< 0.01	
Methyl isobutyl ketone	mg/l	NA	< 0.01	< 0.01	< 0.01	< 0.01	
Tetrachloroethylene	mg/l	0.7	< 0.01	< 0.01	< 0.01	< 0.01	
Toluene	mg/l	NA	< 0.01	< 0.01	0.12	0.47	
1,1,1-Trichloroethane	mg/l	NA	< 0.01	< 0.01	< 0.01	< 0.01	
Trichloroethylene	mg/l	0.5	< 0.01	< 0.01	< 0.01	< 0.01	
Trichlorofluoromethane	mg/l	NA	< 0.01	< 0.01	< 0.01	< 0.01	
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/l	NA	< 0.01	< 0.01	< 0.01	< 0.01	
Vinyl chloride	mg/l	0.2	< 0.01	< 0.01	< 0.01	< 0.01	
Xylene	mg/l	NA	< 0.01	< 0.01	0.21	1.4	

NA = Not Available

Snill # 92-09135

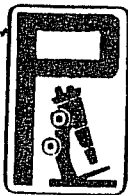
n No. SP 92402 T.C.L.P. Volatile Analytes

cc: Fenley and Nicol

Lab Number 84781 (1-4)

JOHN PEDNEAULT
Lab Director

JOHN PEDNEAULT
Lab Director



PEDNEAULT ASSOCIATES, INC. TESTING LABORATORIES
1615 NINTH AVENUE P.O. BOX 205 BOHEMIA, N.Y. 11716 (516) 467-8477
AFTER 5 PM (516) 567-5579

January 5, 1993

TO: NYS Dept Environmental Conservation
Region 2
222-34 96th Avenue
Queens Village, New York 11429

Spill Location
200 Morgan Avenue
Brooklyn, NY

Date: Collected 12/22/92 Analyzed 12/22 - 1/5/93 Report 1/5/93

Sampled on: 12/22/92

Sampling Point

TCLP Extraction

1. Top Layer - Composite of - 55gal. Drum - G5A - 20 gal pail - G5B - 10 gal. cutoff G5C
2. Top Layer 3 - 55 Gal. Drums - Marked G 4 A,B,C TCLP Extraction
- 3.
- 4.
- 5.

CONTAMINANT		Regulatory Level (mg/l)	1	2	3	4	5
Arsenic	mg/l	5.0	<0.300	<0.300			
Barium	mg/l	100.0	0.120	0.034			
Cadmium	mg/l	1.0	<0.001	<0.001			
Chromium	mg/l	5.0	<0.020	<0.020			
Lead	mg/l	5.0	0.074	0.076			
Mercury	mg/l	0.2	<0.0005	<0.0005			
Selenium	mg/l	1.0	<0.250	<0.250			
Silver	mg/l	5.0	<0.005	<0.005			

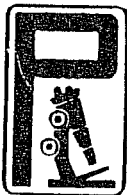
Spill # 92-09135

Pin SP 92-402

T.C.L.P. Inorganic analytes

Lab Number 84782 A,B
jao

JOHN PEDNEAULT
Lab Director



PEDNEAULT ASSOCIATES, INC. TESTING LABORATORIES
1615 NINTH AVENUE P.O. BOX 205 BOHEMIA, N.Y. 11716 (516) 467-8477
AFTER 5 PM (516) 567-5579

January 5, 1993

TO: NYS Dept Environmental Conservation
Region 2
222-34 96th Avenue
Queens Village, New York 11429

Spill Location:
200 Morgan Avenue
Brooklyn, NY

Date: Collected 12/22/92 Analyzed 12/22 - 1/5/93 Report 1/5/93
Sampled on: 12/22/92

Sampling Point

1. Top Layer - composite of 55 gal Drum - G5A - 20 gal. pail - G5B 10 gal. Cut off - G5C
2. Top Layer - 3 - 55 Gal Drums marked G4 A, B, C TCLP Extraction
3.
4.
5.

CONTAMINANT		Regulatory Level (mg/l)	1	2	3	4	5
Acetone	mg/l	NA	0.03	0.02			
Benzene	mg/l	0.5	<0.01	<0.01			
n-Butylalcohol	mg/l	NA	<0.01	<0.01			
Carbon Disulfide	mg/l	NA	<0.01	<0.01			
Carbon Tetrachloride	mg/l	0.5	<0.01	<0.01			
Chlorobenzene	mg/l	100.0	<0.01	<0.01			
Chloroform	mg/l	6.0	<0.01	<0.01			
1,2-Dichloroethane	mg/l	0.5	<0.01	<0.01			
1,1-Dichloroethylene	mg/l	0.7	<0.01	<0.01			
Ethyl Acetate	mg/l	NA	<0.01	<0.01			
Ethyl Benzene	mg/l	NA	0.04	0.01			
Ethyl Ether	mg/l	NA	<0.01	<0.01			
Isobutanol	mg/l	NA	<0.01	<0.01			
Methanol	mg/l	NA	<0.01	<0.01			
Methylene Chloride	mg/l	NA	<0.01	<0.01			

NA = Not Available

File # 92-09135

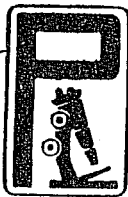
Pin SP 92-402

T.C.L.P. Volatile Analytes

Lab Number 84782 A,B

jao

JOHN PEDNEAULT
Lab Director



PEDNEAULT ASSOCIATES, INC. TESTING LABORATORIES
1815 NINTH AVENUE · P.O. BOX 205 BOHEMIA, N.Y. 11716 · (516) 467-8477
AFTER 5 P.M. (516) 567-5579

January 5, 1993

TO: NYS Dept Environmental Conservation
Region 2
222-34 96th Avenue
Queens village, New York 11429

Spill Location
200 Morgan Avenue
Brooklyn, NY

Date: Collected 12/22/92 Analyzed 12/22 - 1/5/93 Report 1/5/93
Sampled on: 12/22/92

Sampling Point

TCLP Extraction

1. Top Layer - Composite of - 55 gal. drum G5A - 20 gal pail - G5B - 10 gal. cut off G5C

2. Top Layer - 3 - 55 Gal. Drums - Marked G 4 A,B,C TCLP Extraction

3.

4.

5.

CONTAMINANT		Regulatory Level (mg/l)	1	2	3	4	5
Methyl ethyl ketone	mg/l	200.0	<0.01	<0.01			
Methyl isobutyl ketone	mg/l	NA	<0.01	<0.01			
Tetrachloroethylene	mg/l	0.7	0.13	0.19			
Toluene	mg/l	NA	0.13	0.04			
1,1,1-Trichloroethane	mg/l	NA	0.03	<0.01			
Trichloroethylene	mg/l	0.5	<0.01	<0.01			
Trichlorofluoromethane	mg/l	NA	<0.01	<0.01			
1,1,2-Trichloro-1,2,2-trifluoroethane		NA	<0.01	<0.01			
Vinyl chloride	mg/l	0.2	<0.01	<0.01			
Xylene	mg/l	NA	0.23	0.10			

NA = Not Available

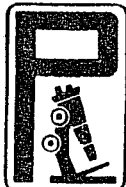
Spill # 92-09135

in # SP 92-402 T.C.L.P. Volatile Analytes

Lab Number 84782 A,B

jao

JOHN PEDNEAULT
Lab Director



PEDNEAULT ASSOCIATES, INC. TESTING LABORATORIES
1615 NINTH AVENUE · P.O. BOX 205 · BOHEMIA, N.Y. 11716 · (516) 467-8477
AFTER 5 P.M. (516) 567-5579

January 6, 1992

TO: NYS Dept Environmental Conservation
Region 2
47-20 21St Street
Long Island City, New York 11101

Spill Location
200 Morgan Avenue
Brooklyn, NY

Date: Collected 12/22/92 Analyzed 12/22 - 1/5/93 Report 1/5/93

Sampled on: 12/22/92

Sampling Point

1. Tank # 1 TCLP Extraction
2. Tank # 2 TCLP Extraction
- 3.
- 4.
- 5.

CONTAMINANT		Regulatory Level (mg/l)	1	2	3	4	5
Arsenic	mg/l	5.0	<0.300	<0.300			
Barium	mg/l	100.0	0.041	0.096			
Cadmium	mg/l	1.0	0.002	<0.001			
Chromium	mg/l	5.0	<0.020	<0.020			
Lead	mg/l	5.0	0.073	0.079			
Mercury	mg/l	0.2	<0.0005	<0.0005			
Selenium	mg/l	1.0	<0.250	<0.250			
Silver	mg/l	5.0	<0.005	<0.005			

Spill # 92-09135

Pin # SP 92402

T.C.L.P. Inorganic analytes

Lab Number 84783 A,B

jao

JOHN PEDNEAULT
Lab Director

PEDNEAULT ASSOCIATES, INC.

TESTING LABORATORIES

P.O. BOX 205, 1615 NINTH AVENUE

BOHEMIA, N.Y. 11716

(516) 467-8477

AFTER 5 P.M. (516) 567-5579

FAX (516) 467-6905

January 6, 1993

TO: NYS Dept Environmental Conservation
Region 2
47-20st Street
Long Island City, New York 11101

Spill Location
200 Morgan Avenue
Brooklyn, NY

Date: Collected 12/22/92 **Analyzed** 12/22 - 1/5/93 **Report** 1/5/93

Sampled 12/22/92

Sampling Point

1. Tank # 1
2. Tank # 2
- 3.
- 4.
- 5.

[illegible]

Spill # 92-09135
Pin # SP 92402

cc: Fenley and Nicol

Lab Number 84783 A,B
jao

JOHN PEDNEAULT
Lab Director



PEDNEAULT ASSOCIATES, INC. TESTING LABORATORIES
1615 NINTH AVENUE · P.O. BOX 205 BOHEMIA, N.Y. 11716 (516) 467-8477
AFTER 5 P.M. (516) 567-5579

January 6, 1993

TO: NYS Dept Environmental Conservation
Region 2
47-20 21 St. Street
Long Island City, New York 11101

Spill Location
200 Morgan Avenue
Brooklyn, NY

Date: Collected 12/22/92 **Analyzed** 12/22 - 1/5/93 **Report** 1/5/93

Sampled on: 12/22/92

Sampling Point

1. Tank # 1 TCLP Extraction
2. Tank # 2 TCLP Extraction
- 3.
- 4.
- 5.

CONTAMINANT		Regulatory Level (mg/l)	1	2	3	4	5
Acetone	mg/l	NA	0.08	0.18			
Benzene	mg/l	0.5	0.38	0.09			
n-Butylalcohol	mg/l	NA	<0.01	<0.01			
Carbon Disulfide	mg/l	NA	<0.01	<0.01			
Carbon Tetrachloride	mg/l	0.5	<0.01	<0.01			
Chlorobenzene	mg/l	100.0	<0.01	<0.01			
Chloroform	mg/l	6.0	<0.01	<0.01			
1,2-Dichloroethane	mg/l	0.5	<0.01	<0.01			
1,1-Dichloroethylene	mg/l	0.7	<0.01	<0.01			
Ethyl Acetate	mg/l	NA	<0.01	<0.01			
Ethyl Benzene	mg/l	NA	0.14	0.05			
Ethyl Ether	mg/l	NA	<0.01	<0.01			
Isobutanol	mg/l	NA	<0.01	<0.01			
Methanol	mg/l	NA	<0.01	<0.01			
Methylene Chloride	mg/l	NA	0.02	<0.01			

NA = Not Available

Spill # 92-09135

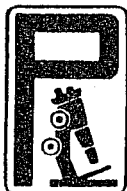
Pin # SP 92402 T.C.L.P. Volatile Analytes

cc: Fenley and Nicol

Lab Number 84783A,B

jao

JOHN PEDNEAULT
Lab Director



PEDNEAULT ASSOCIATES, INC. TESTING LABORATORIES
1615 NINTH AVENUE · P.O. BOX 205 BOHEMIA, N.Y. 11716 · (516) 467-8477
AFTER 5 P.M. (516) 567-5579

January 6, 1993

TO: NYS Dept Environmental Conservation
Region 2
47-20 21st. Street
Long Island City, New York 11101

Spill Location
200 Morgan Avenue
Brooklyn, NY

Date: Collected 12/22/92 Analyzed 12/22 - 1/5/93 Report 1/5/93
Sampled on: 12/22/92

Sampling Point

1. Tank # 1 TCLP Extraction
2. Tank # 2 TCLP Extraction
- 3.
- 4.
- 5.

CONTAMINANT		Regulatory Level (mg/l)	1	2	3	4	5
Methyl ethyl ketone	mg/l	200.0	0.06	<0.01			
Methyl isobutyl ketone	mg/l	NA	<0.01	<0.01			
Tetrachloroethylene	mg/l	0.7	0.02	<0.01			
Toluene	mg/l	NA	0.77	0.28			
1,1,1-Trichloroethane	mg/l	NA	0.13	0.03			
Trichloroethylene	mg/l	0.5	<0.01	<0.01			
Trichlorofluoromethane	mg/l	NA	<0.01	<0.01			
1,1,2-Trichloro-1,2,2-trifluoroethane		NA	<0.01	<0.01			
Vinyl chloride	mg/l	0.2	<0.01	<0.01			
Xylene	mg/l	NA	0.66	0.26			

NA = Not Available
Spill# 92-09135

Pin # SP 92402 T.C.L.P. Volatile Analytes
cc: Fenley and Nicol

Lab Number 84783 A,B

jao

JOHN PEDNEAULT
Lab Director

**PEDNEAULT ASSOCIATES, INC.**

TESTING LABORATORIES

1815 NINTH AVENUE P.O. BOX 205 BOHEMIA, N.Y. 11716 (516) 467 8477

AFTER 5 PM (516) 567 5579

January 6, 1992

TO: NYS Dept. Environmental Conservation
Region 2
47-20 21st Street
Long Island City, NY 11101

RE: 200 Morgan Avenue
Brooklyn, NY

Date: Collected 12/22/92 Analyzed 12/22-1/5/93 Report 1/6/93

Sampled on: 12/22/92

Sampling Point

1. G-1 Oil and Water Separator - TCLP Extraction

2. G-2 Oil and Water Separator - TCLP Extraction

3. G-3 Storm Drain - TCLP Extraction

4. G-6 Storm Drain - TCLP Extraction

5.

CONTAMINANT		Regulatory Level (mg/l)	1	2	3	4	5
Acetone	mg/l	NA	< 0.01	< 0.01	0.01	0.02	
Benzene	mg/l	0.5	< 0.01	< 0.01	< 0.01	0.04	
n-Butylalcohol	mg/l	NA	< 0.01	< 0.01	< 0.01	< 0.01	
Carbon Disulfide	mg/l	NA	< 0.01	< 0.01	< 0.01	< 0.01	
Carbon Tetrachloride	mg/l	0.5	< 0.01	< 0.01	< 0.01	< 0.01	
Chlorobenzene	mg/l	100.0	< 0.01	< 0.01	< 0.01	< 0.01	
Chloroform	mg/l	6.0	< 0.01	< 0.01	< 0.01	< 0.01	
1,2-Dichloroethane	mg/l	0.5	< 0.01	< 0.01	< 0.01	< 0.01	
1,1-Dichloroethylene	mg/l	0.7	< 0.01	< 0.01	< 0.01	< 0.01	
Ethyl Acetate	mg/l	NA	< 0.01	< 0.01	< 0.01	< 0.01	
Ethyl Benzene	mg/l	NA	< 0.01	< 0.01	0.01	0.09	
Ethyl Ether	mg/l	NA	< 0.01	< 0.01	< 0.01	< 0.01	
Isobutanol	mg/l	NA	< 0.01	< 0.01	< 0.01	< 0.01	
Methanol	mg/l	NA	< 0.01	< 0.01	< 0.01	< 0.01	
Methylene Chloride	mg/l	NA	< 0.01	< 0.01	< 0.01	< 0.01	

NA = Not Available

Spill # 92-09135

Pin No. SP 92402 T.C.L.P. Volatile Analytes

cc: Fenley and Nicol

Lab Number 84781 (1-4)

JOHN PEDNEAULT

Lab Director



PEDNEAULT ASSOCIATES, INC. TESTING LABORATORIES
1615 NINTH AVENUE · P.O. BOX 205 BOHEMIA, N.Y. 11716 (516) 467-8477
AFTER 5 PM (516) 567-5579

January 6, 1992

TO: NYS Dept. Environmental Conservation
Region 2
47-20 21st Street
Long Island City, NY 11101

RE: 200 Morgan Avenue
Brooklyn, NY

Date: Collected 12/22/92 Analyzed 12/22-1/5/93 Report 1/6/93
Sampled on: 12/22/92

Sampling Point

1. G-1 Oil and Water Separator - TCLP Extraction
2. G-2 Oil and Water Separator - TCLP Extraction
3. G-3 Storm Drain - TCLP Extraction
4. G-6 Storm Drain - TCLP Extraction
- 5.

CONTAMINANT		Regulatory Level (mg/l)	1	2	3	4	5
Methyl ethyl ketone	mg/l	200.0	< 0.01	< 0.01	< 0.01	< 0.01	
Methyl isobutyl ketone	mg/l	NA	< 0.01	< 0.01	< 0.01	< 0.01	
Tetrachloroethylene	mg/l	0.1	< 0.01	< 0.01	< 0.01	< 0.01	
Toluene	mg/l	NA	< 0.01	< 0.01	0.12	0.47	
1,1,1-Trichloroethane	mg/l	NA	< 0.01	< 0.01	< 0.01	< 0.01	
Trichloroethylene	mg/l	0.5	< 0.01	< 0.01	< 0.01	< 0.01	
Trichlorofluoromethane	mg/l	NA	< 0.01	< 0.01	< 0.01	< 0.01	
1,1,2-Trichloro-1,2,2-trifluoroethane		NA	< 0.01	< 0.01	< 0.01	< 0.01	
Vinyl chloride	mg/l	0.2	< 0.01	< 0.01	< 0.01	< 0.01	
Xylene	mg/l	NA	< 0.01	< 0.01	0.21	1.4	

NA = Not Available

Spill # 92-09135
Pin No. SP 92402 T.C.L.P. Volatile Analytes
Fenley and Nicol
Lab Number 84781 (1-4)

JOHN PEDNEAULT
Lab Director



P.O. BOX 205, 1615 NINTH AVENUE

(516) 467-8477

AFTER 5 P.M. (516) 567-5579

FAX (516) 467-6905

January 5, 1993

TO: NYS Dept Environmental Conservation
Region 2
222-34 96th Avenue
Queens Village, New York 11429

Date: Collected 12/22/92 **Analyzed** 12/22 - 1/5/93 **Report** 1/5/93

Sampled 12/22/92

Sampling Point

1. Top Layer - Composite of 55 gal Drum - G5A - 20 gal. pail G5B - 10 gal cut off G5C
2. Top Layer - 3 - 55 gal Drums marked G4 A,B,C
- 3.
- 4.
- 5.

[illegible]

Spill # 92-09135
Pin # SP 92-402

Lab Number 84782 A,B
jao

JOHN PEDNEAULT
Lab Director



TO: NYS Dept Environmental Conservation
Region 2
222-34 96th Avenue
Queens Village, New York 11429

Spill Location
200 Morgan Avenue
Brooklyn, NY

Date: Collected 12/22/92 Analyzed 12/22 - 1/5/93 Report 1/5/93
Sampled on: 12/22/92 Sampling Point TCLP Extraction

Sampled on: 12/22/92 Sampling Point TCLP Extraction
Top Layer - Composite of - 55gal. Drum - G5A - 20 gal pail - G5B - 10 gal. cutoff G5C
Bottom Layer - Composite of - 55gal. Drum - G5A - 20 gal pail - G5B - 10 gal. cutoff G5C
ICLIP Extraction

1. Top Layer - Composite Sp. TCLP Extraction
2. Top Layer 3 - 55 Gal. Drums - Marked G 4 A, B, C TCLP Extraction

3.

4.

5	Regulatory	3	4	5
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Spill # 92-09135
Pin SP 92-402

T.C.L.P. Inorganic analytes

JOHN PEDNEAULT
Lab Director

Lab Number 84782 A,B
1a0



PEDNEAULT ASSOCIATES, INC. TESTING LABORATORIES
1815 NINTH AVENUE P.O. BOX 205 BOHEMIA, N.Y. 11716 (516) 467-8477
AFTER 5 PM (516) 567-5579

January 5, 1993

TO: NYS Dept Environmental Conservation
Region 2
222-34 96th Avenue
Queens Village, New York 11429

Spill Location:
200 Morgan Avenue
Brooklyn, NY

Date: Collected 12/22/92 **Analyzed** 12/22 - 1/5/93 **Report** 1/5/93
Sampled on: 12/22/92

Sampling Point

- TCLP Extraction
1. Top Layer - composite of 55 gal Drum - G5A - 20 gal. pail - G5B 10 gal. Cut off - G5C
 2. Top Layer - 3 - 55 Gal Drums marked G4 A, B, C TCLP Extraction
 - 3.
 - 4.
 - 5.

CONTAMINANT		Regulatory Level (mg/l)	1	2	3	4	5
Acetone	mg/l	NA	0.03	0.02			
Benzene	mg/l	0.5	<0.01	<0.01			
n-Butylalcohol	mg/l	NA	<0.01	<0.01			
Carbon Disulfide	mg/l	NA	<0.01	<0.01			
Carbon Tetrachloride	mg/l	0.5	<0.01	<0.01			
Chlorobenzene	mg/l	100.0	<0.01	<0.01			
Chloroform	mg/l	6.0	<0.01	<0.01			
1,2-Dichloroethane	mg/l	0.5	<0.01	<0.01			
1,1-Dichloroethylene	mg/l	0.7	<0.01	<0.01			
Ethyl Acetate	mg/l	NA	<0.01	<0.01			
Ethyl Benzene	mg/l	NA	0.04	0.01			
Ethyl Ether	mg/l	NA	<0.01	<0.01			
Isobutanol	mg/l	NA	<0.01	<0.01			
Methanol	mg/l	NA	<0.01	<0.01			
Methylene Chloride	mg/l	NA	<0.01	<0.01			

NA = Not Available

Spill # 92-09135

in SP 92-402

T.C.L.P. Volatile Analytes

Lab Number 84782 A,B

jao

JOHN PEDNEAULT
Lab Director



PEDNEAULT ASSOCIATES, INC. TESTING LABORATORIES
1815 NINTH AVENUE · P.O. BOX 205 · BOHEMIA, N.Y. 11716 · (516) 467-8477
AFTER 5 P.M. (516) 567-5579

January 6, 1992

TO: NYS Dept. Environmental Conservation
Region 2
47-20 21st Street
Long Island City, NY 11101

RE: 200 Morgan Avenue
Brooklyn, NY

Date: Collected 12/22/92 **Analyzed** **Report**

Sampling Point

1. G-1 Oil and Water Separator
2. G-2 Oil and Water Separator
3. G-3 Storm Drain
4. G-6 Storm Drain
- 5.

Parameters	1	2	3	4	5
PCBs					
1016					
1221 ug/kg	< 1.0	< 1.0	< 1.0	< 1.0	
1232 ug/kg	< 1.0	< 1.0	< 1.0	< 1.0	
1242 ug/kg	< 1.0	< 1.0	< 1.0	< 1.0	
1248 ug/kg	< 1.0	< 1.0	< 1.0	< 1.0	
1254 ug/kg	< 1.0	< 1.0	< 1.0	< 1.0	
1260 ug/kg	< 1.0	< 1.0	< 1.0	< 1.0	

Spill # 92-09135
Pin No. SP 92402

cc: Fenley and Nicol

Lab Number 84781 (1-4)

JOHN PEDNEAULT
Lab Director



PEDNEAULT ASSOCIATES, INC. TESTING LABORATORIES
1815 NINTH AVENUE P.O. BOX 205 BOHEMIA, N.Y. 11716 (516) 467-8477
AFTER 5 PM (516) 587-5579

January 6, 1993

TO: NYS Dept. Environmental Conservation
Region 2
47-20 21st Street
Long Island City, NY 11101

RE: 200 Morgan Avenue
Brooklyn, NY

Date: Collected 12/22/92 Analyzed 12/22-1/5/93 Report 1/6/93

Sampled on: 12/22/92

Sampling Point

1. G-1 Oil and Water Separator - TCLP Extraction
2. G-2 Oil and Water Separator - TCLP Extraction
3. G-3 Storm Drain - TCLP Extraction
4. G-6 Storm Drain - TCLP Extraction
- 5.

CONTAMINANT		Regulatory Level (mg/l)	1	2	3	4	5
Arsenic	mg/l	5.0	< 0.300	< 0.300	< 0.300	< 0.300	
Barium	mg/l	100.0	< 0.004	< 0.004	0.157	0.277	
Cadmium	mg/l	1.0	< 0.001	< 0.001	< 0.001	0.005	
Chromium	mg/l	5.0	< 0.020	< 0.020	< 0.020	< 0.020	
Lead	mg/l	5.0	0.111	0.039	0.080	0.094	
Mercury	mg/l	0.2	< 0.0005	< 0.0005	< 0.0005	< 0.0005	
Selenium	mg/l	1.0	< 0.250	< 0.250	< 0.250	< 0.250	
Silver	mg/l	5.0	< 0.005	< 0.005	< 0.005	< 0.005	

Spill # 92-09135
Pin No. SP 92402

T.C.L.P. Inorganic analytes

by: Fenley and Nicol

Lab Number 84781 (1-4)

JOHN PEDNEAULT
Lab Director



PEDNEAULT ASSOCIATES, INC. TESTING LABORATORIES
1615 NINTH AVENUE · P.O. BOX 205 · BOHEMIA, N.Y. 11716 · (516) 467-8477
AFTER 5 P.M. (516) 567-5579

January 6, 1993

TO: NYS Dept Environmental Conservation
Region 2
47-20 21st Street
Long Island City, New York 11101

Spill Location
200 Morgan Avenue
Brooklyn, NY

Date: Collected 12/22/92 Analyzed 12/22 - 1/5/93 Report 1/5/93

Sampled 12/22/92

Sampling Point

1. Tank # 1
2. Tank # 2
- 3.
- 4.
- 5.

Parameters		1	2	3	4	5
PCBs						
1016	ug/l	<1.0	<1.0			
1221	ug/l	<1.0	<1.0			
1232	ug/l	<1.0	<1.0			
1242	ug/l	<1.0	<1.0			
1248	ug/l	<1.0	<1.0			
1254	ug/l	<1.0	<1.0			
1260	ug/l	<1.0	<1.0			

Spill # 92-09135

Pin # SP 92402

cc: Fenley and Nicol

Lab Number 84783 A,B

jao

JOHN PEDNEAULT
Lab Director



PEDNEAULT ASSOCIATES, INC. TESTING LABORATORIES
1815 NINTH AVENUE · P.O. BOX 205 BOHEMIA, N.Y. 11716 (516) 467-8477
AFTER 5 PM (516) 587-5579

January 5, 1993

TO: NYS Dept Environmental Conservation
Region 2
222-34 96th Avenue
Queens village, New York 11429

Spill Location
200 Morgan Avenue
Brooklyn, NY

Date: Collected 12/22/92 Analyzed 12/22 - 1/5/93 Report 1/5/93
Sampled on: 12/22/92

Sampling Point

TCLP Extraction

1. Top Layer - Composite of - 55 gal. drum G5A - 20 gal pail - G5B - 10 gal. cut off G5C

2. Top Layer - 3 - 55 Gal. Drums - Marked G 4 A,B,C TCLP Extraction

3.

4.

5.

CONTAMINANT		Regulatory Level (mg/l)	1	2	3	4	5
Methyl ethyl ketone	mg/l	200.0	<0.01	<0.01			
Methyl isobutyl ketone	mg/l	NA	<0.01	<0.01			
Tetrachloroethylene	mg/l	0.7	0.13	0.19			
Toluene	mg/l	NA	0.13	0.04			
1,1,1-Trichloroethane	mg/l	NA	0.03	<0.01			
Trichloroethylene	mg/l	0.5	<0.01	<0.01			
Trichlorofluoromethane	mg/l	NA	<0.01	<0.01			
1,1,2-Trichloro-1,2,2-trifluoroethane		NA	<0.01	<0.01			
Vinyl chloride	mg/l	0.2	<0.01	<0.01			
Xylene	mg/l	NA	0.23	0.10			

NA = Not Available

Spill # 92-09135

Pin # SP 92-402 T.C.L.P. Volatile Analytes

Lab Number 84782 A,B

jao

JOHN PEDNEAULT
Lab Director



PEDNEAULT ASSOCIATES, INC. TESTING LABORATORIES
1615 NINTH AVENUE · P.O. BOX 205 · BOHEMIA, N.Y. 11716 (516) 467-8477
AFTER 5 P.M. (516) 587-5579

January 6, 1992

TO: NYS Dept Environmental Conservation
Region 2
47-20 21st Street
Long Island City, New York 11101

Spill Location
200 Morgan Avenue
Brooklyn, NY

Date: Collected 12/22/92 Analyzed 12/22 - 1/5/93 Report 1/5/93

Sampled on: 12/22/92

Sampling Point

1. Tank # 1 TCLP Extraction
2. Tank # 2 TCLP Extraction
- 3.
- 4.
- 5.

CONTAMINANT		Regulatory Level (mg/l)	1	2	3	4	5
Arsenic	mg/l	5.0	<0.300	<0.300			
Barium	mg/l	100.0	0.041	0.096			
Cadmium	mg/l	1.0	0.002	<0.001			
Chromium	mg/l	5.0	<0.020	<0.020			
Lead	mg/l	5.0	0.073	0.079			
Mercury	mg/l	0.2	<0.0005	<0.0005			
Selenium	mg/l	1.0	<0.250	<0.250			
Silver	mg/l	5.0	<0.005	<0.005			

Spill # 92-09135

Pin # SP 92402

T.C.L.P. Inorganic analytes

Lab Number 84783 A,B

jao

JOHN PEDNEAULT
Lab Director

PEDNEAULT ASSOCIATES, INC.

TESTING LABORATORIES

P.O. BOX 205, 1615 NINTH AVENUE

BOHEMIA, N.Y. 11716

(516) 467-8477

AFTER 5 P.M. (516) 567-5579

FAX (516) 467-6905

January 6, 1993

TO: NYS Dept Environmental Conservation
Region 2
47-20st Street
Long Island City, New York 11101

Spill Location
200 Morgan Avenue
Brooklyn, NY

Date: Collected 12/22/92 **Analyzed** 12/22 - 1/5/93 **Report** 1/5/93

Sampled 12/22/92

Sampling Point

1. Tank # 1
2. Tank # 2
- 3.
- 4.
- 5.

[illegible]

Spill # 92-09135

Pin # SP 92402

cc: Fenley and Nicol

Lab Number 84783 A,B
jao

JOHN PEDNEAULT
Lab Director



PEDNEAULT ASSOCIATES, INC. TESTING LABORATORIES
1615 NINTH AVENUE P.O. BOX 205 BOHEMIA, N.Y. 11716 (516) 467-8477
AFTER 5 P.M. (516) 587-5579

January 6, 1993

TO: NYS Dept Environmental Conservation
Region 2
47-20 21 St. Street
Long Island City, New York 11101

Spill Location
200 Morgan Avenue
Brooklyn, NY

Date: Collected 12/22/92 Analyzed 12/22 - 1/5/93 Report 1/5/93

Sampled on: 12/22/92

Sampling Point

1. Tank # 1 TCLP Extraction
2. Tank # 2 TCLP Extraction
- 3.
- 4.
- 5.

CONTAMINANT		Regulatory Level (mg/l)	1	2	3	4	5
Acetone	mg/l	NA	0.08	0.18			
Benzene	mg/l	0.5	0.38	0.09			
n-Butylalcohol	mg/l	NA	<0.01	<0.01			
Carbon Disulfide	mg/l	NA	<0.01	<0.01			
Carbon Tetrachloride	mg/l	0.5	<0.01	<0.01			
Chlorobenzene	mg/l	100.0	<0.01	<0.01			
Chloroform	mg/l	6.0	<0.01	<0.01			
1,2-Dichloroethane	mg/l	0.5	<0.01	<0.01			
1,1-Dichloroethylene	mg/l	0.7	<0.01	<0.01			
Ethyl Acetate	mg/l	NA	<0.01	<0.01			
Ethyl Benzene	mg/l	NA	0.14	0.05			
Ethyl Ether	mg/l	NA	<0.01	<0.01			
Isobutanol	mg/l	NA	<0.01	<0.01			
Methanol	mg/l	NA	<0.01	<0.01			
Methylene Chloride	mg/l	NA	0.02	<0.01			

NA = Not Available

Spill # 92-09135

Pin # SP 92402

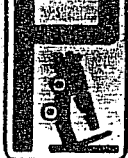
T.C.L.P. Volatile Analytes

cc: Fenley and Nicol

Lab Number 84783A,B

jao

JOHN PEDNEAULT
Lab Director



PEDNEAULT ASSOCIATES, INC. TESTING LABORATORIES
1615 NINTH AVENUE · P.O. BOX 205 BOHEMIA, N.Y. 11716 · (516) 467-8477
· AFTER 5 P.M. (516) 587-5579

January 6, 1993

TO: NYS Dept Environmental Conservation
Region 2
47-20 21st. Street
Long Island City, New York 11101

Spill Location
200 Morgan Avenue
Brooklyn, NY

Date: Collected 12/22/92 Analyzed 12/22 - 1/5/93 Report 1/5/93
Sampled on: 12/22/92

Sampling Point

1. Tank # 1 TCLP Extraction
2. Tank # 2 TCLP Extraction
- 3.
- 4.
- 5.

CONTAMINANT		Regulatory Level (mg/L)	1	2	3	4	5
Methyl ethyl ketone	mg/L	200.0	0.06	<0.01			
Methyl isobutyl ketone	mg/L	NA	<0.01	<0.01			
Tetrachloroethylene	mg/L	0.7	0.02	<0.01			
Toluene	mg/L	NA	0.77	0.28			
1,1,1-Trichloroethane	mg/L	NA	0.13	0.03			
Trichloroethylene	mg/L	0.5	<0.01	<0.01			
Trichlorofluoromethane	mg/L	NA	<0.01	<0.01			
1,1,2-Trichloro-1,2,2-trifluoroethane		NA	<0.01	<0.01			
Vinyl chloride	mg/L	0.2	<0.01	<0.01			
Xylene	mg/L	NA	0.66	0.26			

NA = Not Available
Spill# 92-09135

Pin # SP 92402 T.C.L.P. Volatile Analytes
cc: Fenley and Nicol

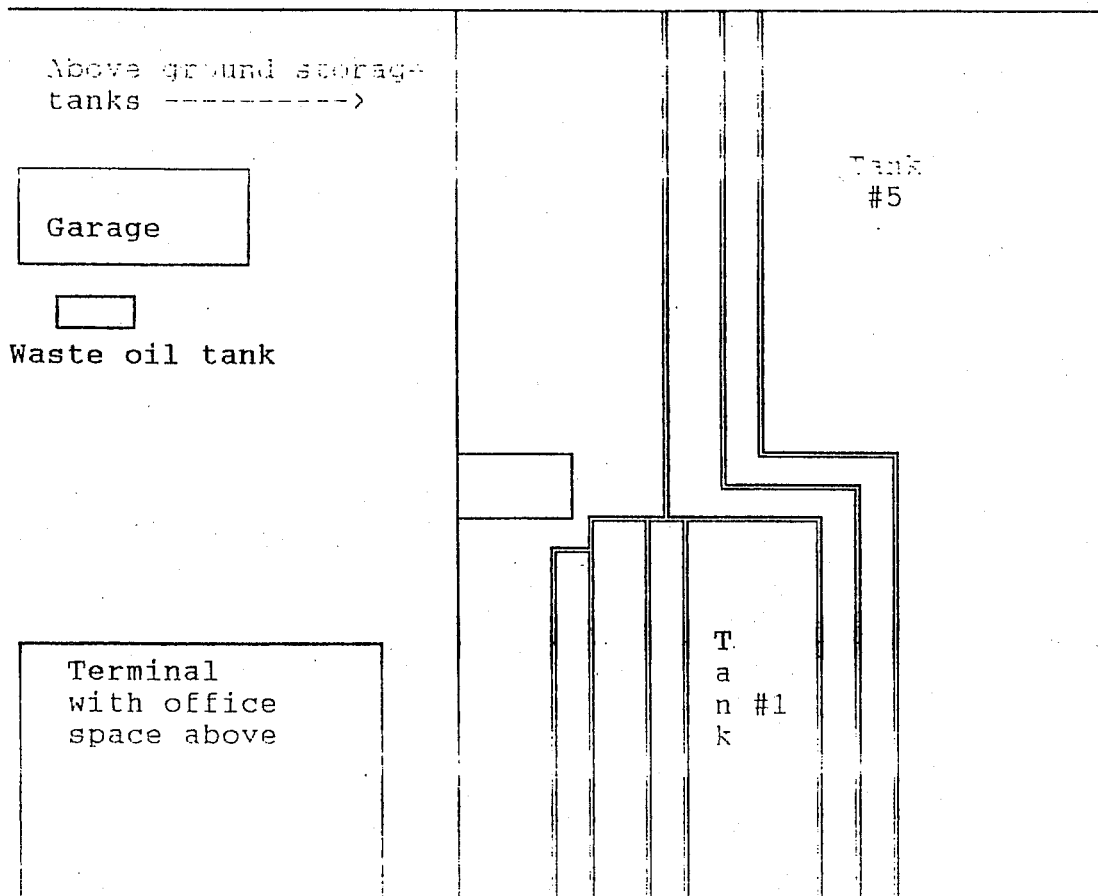
Lab Number 84783 A,B

jao

JOHN PEDNEAULT
Lab Director

D - HYDROCARBON SAMPLING RESULTS (PEDNEAULT ASSOCIATES)

Pedneault Associates
1615 Ninth Avenue
Bohemia, New York 11716



==== Indicates pipeline

Pipelines drawn are only to give a general idea as to the locations of the sampling points, they are not actual in size or quantity.



PEDNEAULT ASSOCIATES, INC. TESTING LABORATORIES
1815 NINTH AVENUE P.O. BOX 205 BOHEMIA, N.Y. 11716 (516) 467-8477
AFTER 5 PM (516) 567 5579

January 1, 1993

TO: NYS Dept. Environmental Conservation
Region 2
47-20 21st Street
Long Island City, NY 11101

RE: 200 Morgan Street
Brooklyn, NY

Date: Collected ... 12/31/92 ... Analyzed ... 12/31-1/4/93 ... Report ... 1/4/93
Sampled on: 12/31/92

Sampling Point

1. (A) - Sample Point #1 - Grab Sample bottom of Manway - TCLP Extraction
2. (B) - Sample Point #1 - Grab Sample bottom of Manway - TCLP Extraction
3. (C) - Sample Point #1 - Grab Sample bottom of Manway - TCLP Extraction
4. (D) - Sample Point #1 - Grab Sample bottom of Manway - TCLP Extraction
5. (E) - Sample Point #1 - Grab Sample bottom of Manway - TCLP Extraction

CONTAMINANT

Regulatory

Level (mg/L)

1

2

3

4

5

Alordane	mg/L	0.03	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Endrin	mg/L	0.02	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Heptachlor	mg/L	0.005	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Heptachlor epoxide	mg/L	0.008	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Lindane	mg/L	0.1	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Methoxychlor	mg/L	10.0	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Toxaphene	mg/L	0.5	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001

2-100-92-09135
Pin No. SP 92402

cc: Fenley and Nicol T.C.L.P. Pesticide

Lab Number 84954 (1-8)

JOHN PEDNEAULT
Lab Director



TO: NYS Dept. Environmental Conservation
Region 2
47-20 21st Street
Long Island City, NY 11101

Date: Collected ... 12/31/92 **Analyzed** ... 12/31-1/4/93 **Report** ... 1/4/93
Sampled on: 12/31/92

1. Sample Point #5 - Grab from Stillwell Pipe - TCLP Extraction

2. Waste Oil Tank #1. (113) - TCLP Extraction

3. Sample Point #5 - Manway Grab - TCLP Extraction

4.

5.

REF ID: A66-00135

in No. SP 92402

c. Fenley and Nicol T.C.L.P. Pesticide

Lab Number 84954 (1-8)

JOHN PEDNEAULT
Lab Director



PEDNEAULT ASSOCIATES, INC. TESTING LABORATORIES
1815 NINTH AVENUE P.O. BOX 205 BOHEMIA, N.Y. 11716 (516) 467-8477
AFTER 5 PM (516) 567-5579

January 4, 1993

TO: NYS Dept. Environmental Conservation
Region 2
47-20 Zist Street
Long Island City, NY 11101

RE: 200 Morgan Street
Brooklyn, NY

Date: Collected 12/31/92 Analyzed 12/31-1/4/93 Report 1/4/93

Sampled on: 12/31/92

Sampling Point

1. (A) - Sample Point #1 - Grab Sample bottom of Manway - TCLP Extraction
2. (B) - Sample Point #1 - Grab Sample bottom of Manway - TCLP Extraction
3. (C) - Sample Point #1 - Grab Sample bottom of Manway - TCLP Extraction
4. (D) - Sample Point #1 - Grab Sample bottom of Manway - TCLP Extraction
5. (E) - Sample Point #1 - Grab Sample bottom of Manway - TCLP Extraction

CONTAMINANT		Regulatory Level (mg/l)	1	2	3	4	5
Arsenic	mg/l	5.0	< 0.300	< 0.300	< 0.300	< 0.300	< 0.300
Barium	mg/l	100.0	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004
Cadmium	mg/l	0.1	< 0.001	0.001	0.001	< 0.001	< 0.001
Chromium	mg/l	5.0	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
Lead	mg/l	5.0	0.079	0.217	0.226	< 0.005	< 0.005
Mercury	mg/l	0.2	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Selenium	mg/l	1.0	< 0.250	0.271	< 0.250	0.586	1.81
Silver	mg/l	5.0					
Total Solids							
Total Suspended Solids							
Total Dissolved Solids							
Total Hardness							
Total Alkalinity							
Total Chloride							
Total Sulfate							
Total Phosphate							
Total Nitrate							
Total Ammonia							
Total Nitrogen							
Total Phosphorus							
Total Copper							
Total Zinc							
Total Manganese							
Total Iron							
Total Magnesium							
Total Calcium							
Total Sodium							
Total Potassium							
Total Barium							
Total Strontium							
Total Radium							
Total Uranium							
Total Thorium							
Total Plutonium							
Total Americium							
Total Curium							
Total Californium							
Total Fermium							
Total Mendelevium							
Total Nobelium							
Total Lawrencium							
Total Rutherfordium							
Total Dubnium							
Total Seaborgium							
Total Bohrium							
Total Hassium							
Total Meitnerium							
Total Darmstadtium							
Total Roentgenium							
Total Copernicium							
Total Nihonium							
Total Flerovium							
Total Tennessine							
Total Oganesson							

T.C.L.P. inorganic analytes

Lab Number 84954 (1-8)

JOHN PEDNEAULT
Lab Director



PEDNEAULT ASSOCIATES, INC. TESTING LABORATORIES
1615 NINTH AVENUE P.O. BOX 205 BOHEMIA, N.Y. 11716 • (516) 467-8477
AFTER 5 PM (516) 567-5579

January 4, 1993

TO: NYS Dept. Environmental Conservation
Region 2
47-20 21st Street
Long Island City, NY 11101

RE: 200 Morgan Street
Brooklyn, NY

Date: Collected 12/31/92 Analyzed 12/31-1/4/93 Report 1/4/93

Sampled on: 12/31/92

Sampling Point

1. Sample Point #5 - Grab from Stillwell Pipe - TCLP Extraction

2. Waste Oil Tank #1 (113) - TCLP Extraction

3. Sample Point #5 - Manway Grab - TCLP Extraction

4.

5.

CONTAMINANT		Regulatory Level (mg/l)	1	2	3	4	5
Arsenic	mg/l	5.0	< 0.300	< 0.300	< 0.300		
Barium	mg/l	100.0	< 0.004	< 0.004	1.06		
Cadmium	mg/l	1.0	< 0.005	0.005	0.004		
Chromium	mg/l	5.0	< 0.020	< 0.020	< 0.020		
Lead	mg/l	5.0	0.015	0.110	0.079		
Mercury	mg/l	0.2	< 0.0005	< 0.0005	< 0.0005		
Selenium	mg/l	1.0	0.321	0.200	5.49		
Silver	mg/l	5.0					

T.C.L.P. Inorganic analytes

Lab Number 84954 (1-8)

JOHN PEDNEAULT
Lab Director

PEDNEAULT ASSOCIATES, INC.

TESTING LABORATORIES

P.O. BOX 205, 1615 NINTH AVENUE

BOHEMIA, N.Y. 11716

(516) 467-8477

AFTER 5 P.M. (516) 567-5579

FAX (516) 467-6905

JANUARY 3, 1995

TO: NYS Dept. Environmental Conservation
Region 2
47-20 21st Street
Long Island City, NY 11101

RE: 200 Morgan Street
Brooklyn, NY

Date: Collected 12/31/92 **Analyzed** 1/5-1/7/93 **Report** 1/8/93

Sampling Point

1. (A) - Sample Point #1 - Grab Sample bottom of Manway
2. (E) - Sample Point #1 - Grab Sample bottom of Manway
3. Sample Point #5 - Grab from Stillwell Pipe
- 4.
- 5.

[illegible]

Spill # 92-00135

Pin No. SP 92402

Lab Number 84954

JOHN PEDNEAULT
Lab Director



PEDNEAULT ASSOCIATES, INC. TESTING LABORATORIES
1615 NINTH AVENUE · P.O. BOX 205 · BOHEMIA, N.Y. 11716 · (516) 467-8477
AFTER 5 P.M. (516) 567-5579

January 4, 1993

TO: NYS Dept. Environmental Conservation
Region 2
47-20 21st Street
Long Island City, NY 11101

RE: 200 Morgan Street
Brooklyn, NY

Date: Collected ... 12/31/92 ... Analyzed ... 12/31-1/4/93 ... Report ... 1/4/93

Sampling Point

1. (A) - Sample Point #1 - Grab Sample bottom of Manway - TCLP Extraction
2. (B) - Sample Point #1 - Grab Sample bottom of Manway - TCLP Extraction
3. (C) - Sample Point #1 - Grab Sample bottom of Manway - TCLP Extraction
4. (D) - Sample Point #1 - Grab Sample bottom of Manway - TCLP Extraction
5. (E) - Sample Point #1 - Grab Sample bottom of Manway - TCLP Extraction

Parameters

		1	2	3	4	5
2-Chloronaphthalene	mg/L	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
1,2-Dichlorobenzene	mg/L	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
1,3-Dichlorobenzene	mg/L	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
1,4-Dichlorobenzene	mg/L	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Hexachlorobenzene	mg/L	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Hexachlorobutadiene	mg/L	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Hexachlorocyclopentadiene	mg/L	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Hexachlorodethane	mg/L	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
1,2,4-Trichlorobenzene	mg/L	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01

RE: EPA 612

JOHN PEDNEAULT
Lab Director

Lab Number 84954 (1-8)



PEDNEAULT ASSOCIATES, INC. TESTING LABORATORIES
1615 NINTH AVENUE · P.O. BOX 205 · BOHEMIA, N.Y. 11716 · (516) 467-8477
AFTER 5 P.M. (516) 567-5579

January 4, 1993

TO: NYS Dept. Environmental Conservation
Region 2
47-20 21st Street
Long Island City, NY 11101

RE: 200 Morgan Street
Brooklyn, NY

Date: Collected 12/31/92 Analyzed 12/31-1/4/93 Report 1/4/93

Sampling Point

1. Sample Point #5 - Grab from Stillwell Pipe - TCLP Extraction
2. Waste Oil Tank #1 (113) - TCLP Extraction
3. Sample Point #5 - Manway Grab - TCLP Extraction
- 4.
- 5.

Parameters

		1	2	3	4	5
Chloronaphthalene	mg/l	< 0.01	< 0.01	< 0.01		
1,2-Dichlorobenzene	mg/l	< 0.01	< 0.01	< 0.01		
1,3-Dichlorobenzene	mg/l	< 0.01	< 0.01	< 0.01		
1,4-Dichlorobenzene	mg/l	< 0.01	< 0.01	< 0.01		
Hexachlorobenzene	mg/l	< 0.01	< 0.01	< 0.01		
Hexachlorobutadiene	mg/l	< 0.01	< 0.01	< 0.01		
Hexachlorocyclopentadiene	mg/l	< 0.01	< 0.01	< 0.01		
Hexachlorodethane	mg/l	< 0.01	< 0.01	< 0.01		
1,2,4-Trichlorobenzene	mg/l	< 0.01	< 0.01	< 0.01		

RE; EPA 612

JOHN PEDNEAULT
Lab Director

Lab Number 84954 (1-8)

PEDNEAULT ASSOCIATES
1615 NINTH AVENUE
BOHEMIA, NEW YORK 11716
(516) 467-8477

CLIENT: F&N
ADDRESS: 445 Brook Ave. Deer Park N.Y.
PHONE: () - -

LAB NO:

84954

PROJECT NAME: RE: 200 MORGAN ST
BROOKLYN

DEC REGION II

DATE	TIME	COMP	GRAB	MATRIX	SAMPLE LOCATION	# OF CONT'S	ANALYSIS
							DO ALL TESTS TO ALL SAMPLES
2/31/92	1030		✓	LIQUID	SAMPLE PT # 1 TANK #1 MANWAY	5-VOA'S	SULFIDE
2/31/92	10:06		✓	"	EQUIPMENT BLANKS	2-VOA'S	PCB'S
2/31/92	11:06		✓	"	FIELD BLANKS	2-VOA'S	CHLORINATED HYDROCARBONS
2/31/92	1210		✓	"	SAMPLE PT # 5 TANK #5 DROPTUBE	4-VOA'S	CHLORINATED HERBICIDES
2/31/92	1205		✓	"	SAMPLE PT DROPTUBE EQUIPMENT BLANKS	2-VOA'S	TCLP
2/31/92	1250		✓	"	SAMPLE PT # 5 TANK #5 MANWAY	3-VOA'S	METALS
2/31/92	1245		✓	"	MANWAY EQUIPMENT BLANKS	2-VOA'S	CHLORINE
2/31/92	113		✓	"	WASTE TANK # 1	2-VOA'S	HALO ETHERS
2/31/92	113		✓	"	EQUIPMENT BLANKS	2-VOA'S	FINGERPRINT
2/31/92	11:11/AM		✓	"	TRIP BLANKS	2-VOA'S	

SAMPLERS NAME (PRINT): M. BIRD

SIGN: [Signature]

RELINQUISHED BY: (PRINT) <u>M. BIRD</u> (SIGN) <u>[Signature]</u>	DATE <u>12/31/92</u>	TIME <u>3:40</u>	AGENT OF: <u>PEDNEAULT</u>
RECEIVED BY: (PRINT) _____ (SIGN) _____	DATE ____/____/____	TIME ____:____	AGENT OF: _____
RELINQUISHED BY: (PRINT) _____ (SIGN) _____	DATE ____/____/____	TIME ____:____	AGENT OF: _____
RECEIVED BY: (PRINT) _____ (SIGN) _____	DATE ____/____/____	TIME ____:____	AGENT OF: _____
RECEIVED FOR LAB BY: (PRINT) <u>[Signature]</u> (SIGN) <u>[Signature]</u>	DATE <u>12/31/92</u>	TIME <u>4:00</u>	AGENT OF: <u>Pedneault</u>

MARKS

E - TANK TESTING RESULTS



"SOLUTIONS AT WORK"

TR# 93002
JOB# 54448

445 Brook Avenue, Deer Park, New York 11729

(516) 586-4900 • NYC (718) 204-4993

FAX 516 586 4111

January 13, 1993

Mr. Anthony Sigona
NYS DEC II
47-40 21st. Street
Long Island City, NY 11101

re: NYSDEC Spill # 9209135
B.Q.E. Terminal/Morgan Oil
200 Morgan Ave.
Brooklyn, NY

Dear Mr. Sigona:

The underground storage tank(s) listed below have been tested in accordance to the Precision Test Criteria established by N.F.P.A. Publication 329, or by the New York City Fire Department. Here is an outline of events which occurred:

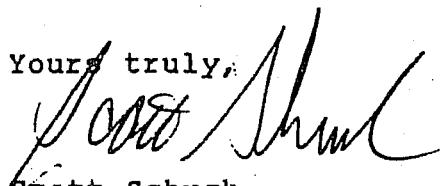
TANKAGE	TYPE OF TEST	RESULT	DATE
(1) 550 diesel	Petro initial system	pass @ -.013	01/08/93
(3) 550 gasoline siphon	Petro initial system	pass @ -.037	01/12/93
(1) 550 diesel	EZY II initial system	pass @ .000	01/12/93

Copies of this letter and report have been submitted to the following agencies where an "X" appears next to their name:

X Mr. Harry Ott
Buried Tank Unit
New York City Fire Department
250 Livingston Street - Room 412
Brooklyn, New York 11201

Petroleum Bulk Storage Program
New York State Dept. of Environmental Conservation
47-40 21st. Street
Long Island City, New York 11101
SPILL#:
PBS#:

Yours truly,


Scott Schuck
Tank Test Manager

cc: Mr. Mostafa El Sahany, F&N Project Mgr

1/12/93
550 DSL
JAS G+.

OWNER OR DEALER B.C.E. TERMINALS C/O NYS DEC.

ADDRESS (NO. & STREET) 200 MORGAN AVE.

CITY AND STATE BROOKLYN N.Y.

TANK INFORMATION

CAPACITY (NOMINAL) 550 42 TANK

CAPACITY (CHART) 576

NUMBER OF GALLONS ADDED 5

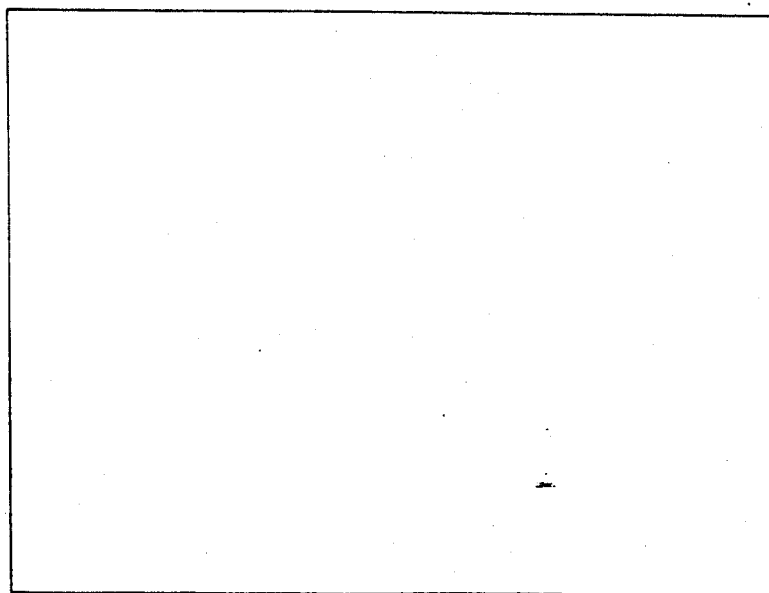
TOTAL CAPACITY 581

CONTENTS (PRODUCT) TESTING W/ WATER CALIBRATION NUMBER 419

MONITOR MODE RESULTS

TANK LAYOUT

TIME	RESULT	CI
<u>11.37</u>	<u>+002</u>	<u>+000</u>
<u>11.35</u>	<u>+000</u>	<u>+000</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____



COEFFICIENT CALCULATIONS

MEASURED API GRAVITY TESTING W/ WATER

PRODUCT TEMPERATURE 48°

API SPECIFIC GRAVITY @ 60 F. 60004047 PPM (FROM TABLE A)

COEFFICIENT OF EXPANSION PPM 40 (FROM TABLE B)

B.Q.E. TERMINALS C/O N.Y.S.D.E.C.

200 MORGAN AVE.

BROOKLYN N. Y.

MICHAEL SEPE

DATE: 01-12-1993

TIME: 11:20

FUEL TYPE: WATER

CAPACITY TANK 1: 581 GALLONS

THRHOOLD CRIT: +0.05 GPH TO -0.05 GPH

TEMPERATURE COEFFICIENT: 40 ppm/deg F

RELATIVE FUEL TEMPERATURE 48.60 deg F

VOLUME CHANGE PER DEG F: 0.02 GALLONS

FILTERS (VOL/TEMP) MEDIUM/MEDIUM

TANK TESTER VERSION 10.04

TANK 1 CAPACITY CHANGE GALLONS

TANK 2 CAPACITY CHANGE GALLONS

TIME	VOLUME	TEMP.	NET	RATE GPH	VOLUME	TEMP.	NET	RATE GPH
11:21	+0.0000	+0.0000	+0.0000					
11:21	+0.0000	-0.0000	+0.0000	+0.002				
11:22	+0.0000	-0.0000	+0.0000	+0.003				
11:22	+0.0000	-0.0000	+0.0000	+0.002				
11:23	+0.0001	-0.0000	+0.0001	+0.003				
11:23	+0.0000	-0.0000	+0.0000	+0.003				
11:24	+0.0000	-0.0000	+0.0000	+0.003				
11:25	+0.0000	-0.0000	+0.0000	+0.003				
11:25	+0.0000	-0.0000	+0.0000	+0.003				
11:26	-0.0000	-0.0000	-0.0000	+0.002				
11:26	+0.0000	-0.0000	+0.0000	+0.002				
11:27	+0.0000	-0.0000	+0.0000	+0.002				
11:27	+0.0000	-0.0000	+0.0000	+0.002				
11:28	+0.0000	-0.0000	+0.0000	+0.002				
11:28	+0.0000	-0.0000	+0.0000	+0.002				
11:29	+0.0000	-0.0000	+0.0000	+0.002				
11:30	+0.0000	-0.0000	+0.0001	+0.002				
11:30	-0.0000	-0.0000	-0.0000	+0.002				
11:31	-0.0000	-0.0000	-0.0000	+0.002				
11:31	-0.0000	-0.0000	+0.0000	+0.002				
11:32	+0.0000	-0.0000	+0.0000	+0.002				
11:32	+0.0000	-0.0000	+0.0000	+0.002				
11:33	+0.0000	-0.0000	+0.0000	+0.002				
11:34	+0.0000	-0.0000	+0.0000	+0.002				
11:34	+0.0000	-0.0000	+0.0000	+0.002				
11:35	+0.0000	-0.0000	+0.0000	+0.002				
11:35	+0.0000	-0.0000	+0.0000	+0.002				
11:36	-0.0000	-0.0000	+0.0000	+0.002				
11:36	+0.0000	-0.0000	+0.0000	+0.002				
11:37	-0.0000	-0.0000	-0.0000	+0.002				
11:37	+0.0000	-0.0000	+0.0000	+0.002				
11:38	+0.0000	+0.0000	+0.0000					
11:39	+0.0000	-0.0000	+0.0000	+0.002				
11:39	+0.0000	-0.0000	+0.0000	+0.002				
11:40	+0.0000	-0.0000	+0.0000	+0.001				
11:40	+0.0000	-0.0000	+0.0000	+0.002				
11:41	+0.0000	-0.0000	+0.0000	+0.001				

11:41	+0.0000	-0.0000	+0.0000	+0.001
11:42	-0.0000	-0.0000	-0.0000	+0.001
11:42	+0.0000	-0.0000	+0.0000	+0.001
11:43	+0.0000	-0.0000	+0.0000	+0.001
11:44	+0.0000	-0.0000	+0.0000	+0.001
11:44	+0.0000	-0.0000	+0.0000	+0.001
11:45	+0.0000	-0.0000	+0.0000	+0.001
11:45	-0.0000	-0.0000	-0.0000	+0.001
11:46	+0.0000	-0.0000	+0.0000	+0.001
11:46	-0.0000	-0.0000	-0.0000	+0.001
11:47	-0.0000	-0.0000	-0.0000	+0.001
11:48	-0.0000	-0.0000	+0.0000	+0.001
11:48	+0.0000	-0.0000	+0.0000	+0.001
11:49	-0.0000	-0.0000	+0.0000	+0.001
11:49	+0.0000	-0.0000	+0.0000	+0.001
11:50	-0.0001	-0.0000	-0.0000	+0.000
11:50	+0.0000	-0.0000	+0.0000	+0.000
11:51	+0.0000	-0.0000	+0.0000	+0.001
11:51	+0.0000	-0.0000	+0.0000	+0.001
11:52	+0.0000	-0.0000	+0.0000	+0.001
11:53	-0.0000	-0.0000	-0.0000	+0.001
11:53	+0.0000	-0.0000	+0.0000	+0.001
11:54	-0.0000	-0.0000	-0.0000	+0.001
11:54	-0.0001	-0.0000	-0.0001	+0.000
11:55	-0.0000	-0.0000	-0.0000	+0.000
11:55	+0.0000	+0.0000	+0.0000	*
11:56	+0.0000	+0.0000	+0.0000	-0.002
11:56	-0.0000	-0.0000	-0.0000	-0.002
11:57	+0.0000	-0.0000	+0.0000	+0.000
11:58	-0.0000	-0.0000	-0.0000	-0.001
11:58	-0.0000	-0.0000	+0.0000	-0.000
11:59	-0.0001	-0.0000	-0.0000	-0.001
11:59	-0.0000	-0.0000	-0.0000	-0.001
12:00	-0.0000	-0.0000	-0.0000	-0.001
12:00	+0.0000	-0.0000	+0.0000	-0.001
12:01	-0.0000	-0.0000	-0.0000	-0.001
12:01	-0.0000	-0.0000	+0.0000	-0.001
12:02	-0.0000	-0.0000	-0.0000	-0.001
12:03	-0.0000	-0.0000	-0.0000	-0.001
12:03	+0.0000	-0.0000	+0.0000	-0.000
12:04	-0.0000	-0.0000	+0.0000	-0.000
12:04	+0.0000	-0.0000	+0.0000	-0.000
12:05	+0.0000	-0.0000	+0.0000	-0.000
12:05	-0.0000	-0.0000	+0.0000	-0.000
12:06	-0.0000	-0.0000	-0.0000	-0.000
12:07	+0.0000	-0.0000	+0.0000	-0.000
12:07	+0.0000	-0.0000	+0.0000	+0.000
12:08	+0.0000	-0.0000	+0.0000	+0.000
12:08	-0.0000	-0.0000	-0.0000	+0.000
12:09	+0.0000	-0.0000	+0.0000	+0.000
12:09	-0.0000	-0.0000	+0.0000	+0.000
12:10	-0.0000	-0.0000	+0.0000	+0.000
12:10	+0.0000	-0.0000	+0.0000	+0.000
12:11	+0.0000	-0.0000	+0.0000	+0.000
12:12	+0.0000	-0.0000	+0.0000	+0.001
12:12	+0.0000	-0.0000	+0.0000	+0.001
12:13	-0.0001	-0.0000	-0.0000	+0.000
12:13	-0.0000	-0.0000	+0.0000	+0.000
12:14	-0.0000	-0.0000	+0.0000	+0.000
12:14	+0.0000	-0.0000	+0.0000	+0.001

END MONITOR MODE

START TEST MODE

12:15	+0.0000	-0.0000	+0.0000	+0.001
12:15	+0.0000	-0.0000	+0.0000	+0.001
12:16	+0.0000	-0.0000	+0.0000	+0.001
12:17	-0.0000	-0.0000	-0.0000	+0.001
12:17	-0.0000	-0.0000	-0.0000	+0.001
12:18	+0.0000	-0.0000	+0.0000	+0.001
12:18	+0.0000	-0.0000	+0.0000	+0.001
12:19	+0.0000	-0.0000	+0.0000	+0.001
12:19	-0.0000	-0.0000	+0.0000	+0.001
12:20	+0.0000	-0.0000	+0.0000	+0.001
12:21	+0.0000	-0.0000	+0.0000	+0.001
12:21	+0.0000	-0.0000	+0.0000	+0.001
12:22	-0.0000	-0.0000	-0.0000	+0.001
12:22	+0.0000	-0.0000	+0.0000	+0.001
12:23	-0.0000	-0.0000	-0.0000	+0.001
12:23	-0.0000	-0.0000	-0.0000	+0.001
12:24	+0.0000	-0.0000	+0.0000	+0.001
12:24	-0.0000	-0.0000	-0.0000	+0.001
12:25	-0.0000	-0.0000	-0.0000	+0.000
12:26	+0.0000	-0.0000	+0.0000	+0.001
12:26	+0.0000	-0.0000	+0.0000	+0.001
12:27	-0.0000	-0.0000	-0.0000	+0.000
12:27	+0.0000	-0.0000	+0.0000	+0.000
12:28	+0.0000	-0.0000	+0.0000	+0.000
12:28	+0.0000	-0.0000	+0.0000	+0.000
12:29	-0.0000	-0.0000	-0.0000	+0.000
12:29	+0.0000	-0.0000	+0.0000	+0.000
VOL. RATE OF CHANGE				+0.000 GPH
99 % CONFIDENCE INTERVAL +/-				0.000 GPH
RELATIVE FUEL TEMPERATURE:				48.56 deg F
ACCUM. VOLUME CHANGE				-0.0001
ACCUM. TEMP CHANGE				-0.0003

12:30	-0.0000	-0.0000	-0.0000	+0.000
12:31	-0.0000	-0.0000	-0.0000	+0.000
12:31	-0.0000	-0.0000	-0.0000	+0.000
12:32	-0.0000	-0.0000	-0.0000	+0.000
12:32	-0.0000	-0.0000	-0.0000	+0.000
12:33	-0.0000	-0.0000	-0.0000	+0.000
12:33	+0.0000	-0.0000	+0.0000	+0.000
12:34	+0.0000	-0.0000	+0.0000	+0.000
12:35	+0.0000	-0.0000	+0.0000	+0.000
12:35	-0.0000	-0.0000	-0.0000	+0.000
12:36	+0.0000	-0.0000	+0.0000	+0.000
12:36	-0.0000	-0.0000	-0.0000	+0.000
12:37	+0.0000	-0.0000	+0.0000	+0.000
12:37	-0.0000	-0.0000	-0.0000	+0.000
12:38	-0.0001	-0.0000	-0.0000	+0.000
12:38	-0.0000	-0.0000	-0.0000	+0.000
12:39	+0.0000	-0.0000	+0.0000	+0.000
12:40	+0.0000	-0.0000	+0.0001	+0.000
12:40	-0.0000	-0.0000	+0.0000	+0.000
12:41	-0.0000	-0.0000	-0.0000	+0.000
12:41	-0.0001	-0.0000	-0.0000	+0.000
12:42	-0.0000	-0.0000	+0.0000	+0.000
12:42	+0.0000	-0.0000	+0.0000	+0.000
12:43	+0.0000	-0.0000	+0.0000	+0.000
12:43	-0.0000	-0.0000	-0.0000	+0.000
12:44	-0.0000	-0.0000	+0.0000	+0.000
12:45	+0.0001	-0.0000	+0.0001	+0.000

12:45 +0.0000 -0.0000 +0.0000 +0.000
12:46 +0.0000 -0.0000 +0.0000 +0.000
12:46 +0.0000 -0.0000 +0.0000 +0.000
VOL. RATE OF CHANGE +0.000 GPH
99 % CONFIDENCE INTERVAL +/- 0.000 GPH
RELATIVE FUEL TEMPERATURE: 48.55 deg F
ACCUM. VOLUME CHANGE -0.0003
ACCUM. TEMP CHANGE -0.0006

12:47 +0.0000 -0.0000 +0.0000 +0.000
12:47 +0.0000 -0.0000 +0.0000 +0.000
12:48 +0.0000 -0.0000 +0.0000 +0.000
12:49 +0.0000 -0.0000 +0.0000 +0.001
12:49 +0.0000 -0.0000 +0.0000 +0.001
12:50 +0.0000 -0.0000 +0.0000 +0.001
12:50 +0.0000 -0.0000 +0.0000 +0.001
12:51 +0.0000 -0.0000 +0.0000 +0.001
12:51 +0.0000 -0.0000 +0.0000 +0.001
12:52 -0.0000 -0.0000 -0.0000 +0.001
12:52 +0.0000 -0.0000 +0.0000 +0.001
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12:54 +0.0000 -0.0000 +0.0000 +0.001
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12:55 +0.0000 -0.0000 +0.0000 +0.001
12:55 +0.0000 -0.0000 +0.0000 +0.001
12:56 -0.0000 -0.0000 +0.0000 +0.001
12:56 -0.0000 -0.0000 +0.0000 +0.001
12:57 +0.0000 -0.0000 +0.0000 +0.001
12:57 -0.0000 -0.0000 +0.0000 +0.001
12:58 +0.0000 -0.0000 +0.0000 +0.001
12:59 -0.0000 -0.0000 -0.0000 +0.001
12:59 -0.0000 -0.0000 -0.0000 +0.001
13:00 -0.0000 -0.0000 -0.0000 +0.001
13:00 -0.0000 -0.0000 +0.0000 +0.001
13:01 -0.0000 -0.0000 -0.0000 +0.001
13:01 -0.0000 -0.0000 -0.0000 +0.001
13:02 -0.0000 -0.0000 -0.0000 +0.001
13:03 -0.0000 -0.0000 -0.0000 +0.001
13:03 -0.0000 -0.0000 +0.0000 +0.001

VOL. RATE OF CHANGE +0.001 GPH
99 % CONFIDENCE INTERVAL +/- 0.000 GPH
RELATIVE FUEL TEMPERATURE: 48.54 deg F
ACCUM. VOLUME CHANGE -0.0003
ACCUM. TEMP CHANGE -0.0009

✓ END TEST msa

B.O.E. TERMINALS C/O N.Y.S.D.E.C.

RE:

METER NO.

TANK VERSION 10.04

FUEL TYPE:

WATER

CAPACITY TANK 1: 581 GALLONS

TEMPERATURE COEFFICIENT: 40 ppm/deg F

THRESHOLD CRITERIA: +0.05 GPH TO -0.05 GPH

01-12-1993 TEST TIME FROM 11:56 TO 13:03

DATA ANALYSIS INDICATES:

A GROSS VOLUME CHANGE OF:

-0.000 GALLONS

A VOLUME CHANGE DUE TO TEMPERATURE OF: -0.001 GALLONS

A LIQUID VOLUME RATE OF CHANGE OF:

+0.001 GPH

WITH A 99 % CONFIDENCE INTERVAL OF:

+/-0.000 GPH

(+0.001 TO +0.000 GPH)

TESTER.....

MICHAEL SEPE

CUSTOMER.....

B.O.E. TERMINALS C/O N.Y.S.D.E.C.



Fenley & Nicol Co. Inc.

1. OWNER	Property <input type="checkbox"/> Tank(s) <input type="checkbox"/>	Name	Address	Representative	Telephone
2. OPERATOR		Name	Address	Representative	Telephone
3. REASON FOR TEST	(Explain Fully)	Name	Address		Telephone
4. WHO REQUESTED TEST AND WHEN		Name	Title	Company or Affiliation	Date
5. TANK INVOLVED	Use additional lines for manifolded tanks	Identify by Direction	Capacity	Brand/Supplier	Grade
6. INSTALLATION DATA		Location	Cover	Fills	Vents
7. UNDERGROUND WATER		North inside driveway, Rear of station, etc.	Concrete, Black Top, Earth, etc.	Size, Tiltfill make, Drop tubes, Ramore Fills	Which tanks?
8. FILL-UP ARRANGEMENTS		Depth to the Water table			Is the water over the tank? <input type="checkbox"/> Yes <input type="checkbox"/> No
9. CONTRACTOR, MECHANICS, any other contractor involved		Tanks to be filled	No.	Date	Arranged by
10. OTHER INFORMATION OR REMARKS		Extra product to "top off" and run tank tester. How and who to provide? Consider NO Lead.			Name
11. TEST RESULTS		Terminal or other contact for notice or inquiry	Company	Name	Telephone
12. SENSOR CERTIFICATION		Additional information on any items above. Officials or others to be advised when testing it in progress or completed. Visitors or observers present during test, etc.			
13. This is to certify that these tank systems were tested on the date(s) shown. Those indicated as "Tight" meet the criteria established by the National Fire Protection Association Pamphlet 322.		Tests were made on the above tank systems in accordance with test procedures prescribed for as detailed on attached test charts with results as follows:			
		Tank Identification	Tight	Leakage Indicated	Date Tested

Fenley & Nicol Co. Inc.
By: Signature
445 Brook Avenue, Deer Park, New York 11729 • (516) 586-4900

14. Name of Supplier, Owner or Dealer	Address No and Street(s)	City	State	Date of Test
15. TANK TO TEST	15a. BRIEF DIAGRAM OF TANK FIELD	16. CAPACITY		
<i>EAST MIDDLE TANK A</i>		Nominal Capacity <i>530</i> Gallons	From <input checked="" type="checkbox"/> Station Chart <input type="checkbox"/> Tank Manufacturer's Chart <input type="checkbox"/> Company Engineering Data <input type="checkbox"/> Charts supplied with <input type="checkbox"/> Other	
Brand and Grade		By most accurate capacity chart available <i>576</i> Gallons		

17. FILL-UP FOR TEST

Slick Water Bottom before Fill-up *Testing* to 4" in.

18. SPECIAL CONDITIONS AND PROCEDURE

See manual sections applicable Check below and re

Use maximum allowable test pressure for all test Four pound rule does not apply to doublewells

Complete section below

1 Is four pound rule required

2 Height to 12" m

3 Press

The test establishes rule to comp. area. Refer to N.F.P.A. manufacturer regulations

STANDPIPE ELEVATION	Product as Graduate	Product Replaced (t)	Thermal Sensor Reading	Change Higher + Lower (t)	Compilation (t) = (t) Expansion - Contraction	Temperature Adjustment - Volume Minus Expansion (+) or Contraction (-) #33(V) - #37(T)	ACCUMULATED CHANGE
42"	.505	51	.435				
42"	.505	.500	.005	.475	+.40	+0.001	-.006
42"	.500	.495	-.005	.506	+.34	+0.001	-.006
42"	.495	.490	-.005	.555	+.49	+0.001	-.006
42"	.490	.485	-.005	.603	+.48	+0.001	-.006



1. OWNER <input type="checkbox"/> Property <input type="checkbox"/> Tenant	Name Address City State Zip	Representative Name Address City State Zip	Telephone
2. OPERATOR	Name Address City State Zip	Representative Name Address City State Zip	Telephone
3. REASON FOR TEST (Explain Fully)			
4. WHO REQUESTED TEST AND WHEN			
5. TANK INVOLVED Use additional lines for manifolded tanks	Capacity	Brand/Supplier	Grade
6. INSTALLATION DATA	Location	Cover	Vents
7. UNDERGROUND WATER	North inside driveway, rear of station, etc.	Concrete, Block Top, Earth, etc.	Size, Manifolded
8. FILL-UP ARRANGEMENTS	Depth to the water table	Is the water over the tank?	Yes <input type="checkbox"/> No <input type="checkbox"/>
9. CONTRACTOR, MECHANICS, any other contractor involved	Terminal or other contact for notice or inquiry	Company	Telephone
10. OTHER INFORMATION OR REMARKS	Additional information on any items above. Officials or others to be advised when testing is in progress or completed. Visitors or observers present during test, etc.		
11. TEST RESULTS	Tests were made on the above tank systems in accordance with test procedures prescribed for as detailed on attached test charts with results as follows:		
12. SENSOR CERTIFICATION	Date Tested		

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14. Name of Supplier, Owner or Dealer	Address No and Street(s)	City	State	Date of Test
15. TANK TO TEST <i>EAST MIDDLE TANK A</i> Identify by position	15a. BRIEF DIAGRAM OF TANK FIELD	16. CAPACITY Nominal Capacity <i>570</i> Gallons By most accurate capacity chart available <i>576</i> Gallons	From <input type="checkbox"/> Station Chart <input checked="" type="checkbox"/> Tank Manufacturer's Chart <input type="checkbox"/> Company Engineering Data <input type="checkbox"/> Charts supplied with <input type="checkbox"/> Other	

17. FILL-UP FOR TEST
Slick Water Bottom before Fill-up *Testing* to 12" in

18. SPECIAL CONDITIONS AND PROCEDURES

See manual sections applicable. Check below and:

Use maximum allowable test pressure for all. Four pound rule does not apply to double.

Complete section below

1. Is four pound rule required?

2. Height to 12"?

3. Per

The also, establish rule to complete area. Refer to NEPA manufacturer regarding

30. HYDRAULIC PRESSURE CONTROLLER	31. VOLUME MEASUREMENTS (V) RETURN TO 0.00 GAL	34. TEMPERATURE COMPENSATION USE FACTOR (U)	38. NET VOLUME CHANGING EACH READING	39. ACCUMULATED CHANGE
Standpipe Level in inches	Product in Graduate	Product Replaced (-)	Temperature Adjustment	At Low Level compute Change per Hour (INFA criteria)
Beginning of Heating	Before Reading	Product Recovered (+)	Thermal Sensor Reading	
Level to which Restored	After Reading		Change Higher + Lower - (L)	
			Computation (C) = (a) + Expansion - Contraction	
12	480	1.220	107 +14 +.0003	
			370 +3 +.0003	
			446 +3 +.0003	
			+0.0003	
				-0.0003
12	480	1.220	113 +6 +.0001	
			374 +4 +.0003	
			962 +16 +.0001	
			+0.0003	
				-0.0003
				-0.0003



1320		17	12	12	4.30	4.30	4.000	26	411	4.000		
								494	412	4.000		
								094	411	4.000		
										4.000	-0.004	-0.0719
1325												
1330												
1335												

Net Volume Change at Contr.

Signature of Tester

Date

27	28	29	30		31		32		33		34		35		36		37		38		39	
DATE	Record details of setting up and running test (Use full length of line if needed)	Reading No.	Standpipe Level in Inches		Product in Graduate		Product Replaced (-)		Thermal Sensor Reading		Change Higher + Lower (-)		Computation (C) = (A) + Expansion + Contraction		Temperature Adjustment		Volume Minus Expansion (+) or Contraction (-) #3(XV) #3(T)		At Low Level compute Change per Hour (NTPA critical)			
MM/DD/YY			Beginning of Heating	Level to which Restored	Before Reading	After Reading	Product Recovered (+)															
	2000! 1000																					

12/30		9	12	12	465	465	+200	154	+6	+200		
								402	+7	+200		
								4602	+6	+200		
										+2003	-2003	-0333
12/35												
12/40												
12/45												

1 Net Volume Change at C.C.

Signature of Tester

Date

100-443887-100

Tank and product handling system has been tested tight according to the Precision Test Criteria as established by NFPA publication 309. This is not intended to indicate permission of a leak.

It is the responsibility of the owner and/or operator of this system to immediately advise state and local authorities of any implied hazard and the possibility of any reprehensible pollution to the environment as a result of the indicated failure of this system. Health Consultants Incorporated does not assume any responsibility or liability for any loss of product to the environment.

P-T Tank Test Data Chart

[illegible][illegible]



1. OWNER	Name Property Tank(s)	Address	Representative	Telephone
2. OPERATOR	Name	Address	Representative	Telephone
3. REASON FOR TEST (Explain Fully)	#1 BELUM REQ-EST			
4. WHO REQUESTED TEST AND WHEN	NYSDEL II, 47-40 21 St. St., Long Island City, 11/10/93 The Mr. Anthony Sclano (718) 482-6457			
5. TANK INVOLVED Use additional lines for manifolded tanks	Identify by Division MED NORTH	Capacity 550/44	Grade FOR RUL	Approx. Age 20 yrs.
6. INSTALLATION DATA	Location Front of Garage	Cover Concrete, Black Top, Earth, etc.	Vents 2" D 2" R	Siphones yes
7. UNDERGROUND WATER	Depth to the water table 6' 4"			
8. FILL-UP ARRANGEMENTS	Tanks to be filled 1200 ft Date 1/14/93 Arranged by S. Schuch / A. Fardoun Extra product to "top off" and run tank test. How and who to provide? Consider NO LEAK FAN topped off tanks w/ water Terminal or other contact for notice or inquiry FENLEY & NICOL Name (516) 586-4900 Telephone			
9. CONTRACTOR, MECHANICS, any other contractor involved	DB # 54448 F&N project mgr: Mostafa El Solary CP# 9209135			
10. OTHER INFORMATION OR REMARKS	Additional information on any items above. Officials or others to be advised when testing is in progress or completed. Visitors or observers present during test, etc. Tests were made on the above tank systems in accordance with test procedures prescribed for as detailed on attached test charts with results as follows: Tight Identification Tight Leakage Indicated Date Tested (3) 550 QUIL STATION yep 1/12/93			
11. TEST RESULTS	Tight Identification Tight Leakage Indicated Date Tested (3) 550 QUIL STATION yep 1/12/93			
12. SENSOR CERTIFICATION	13. This is to certify that these tank systems were tested on the date(s) shown. Those indicated as "Tight" meet the criteria established by the National Fire Protection Association Pamphlet 322. Technician Fenley & Nicol Co. Inc. Signature Certification # Date Serial No. of Formal Report			

14. Name of Supplier, Owner or Dealer Westmost Tank Co	Address No and Street(s)	City	State	Date of Test 1.12.93
15. TANK TO TEST Identify by position Brand and Grade	15a. BRIEF DIAGRAM OF TANK FIELD	16. CAPACITY Nominal Capacity 550 Gallons By most accurate capacity chart available 576 Gallons	From <input checked="" type="checkbox"/> Station Chart <input checked="" type="checkbox"/> Tank Manufacturer's Chart <input type="checkbox"/> Company Engineering Data <input type="checkbox"/> Charts supplied with <input type="checkbox"/> Other	Total Gallons

17. FILL-UP FOR TEST
Sick Water Bottom before Fill-up
Testing
to 3/4

18. SPECIAL CONDITIONS AND PROCEDURE
See manual sections applicable. Check below:
Use maximum allowable test pressure for:
Four pound rule does not apply to dome?
Complete section below:
1. Is four pound rule 30?
2. Height to establish a comp. area
3. Refer to NFPA 30 manufacturer regarding



Fenley & Nicol Co. Inc.

1. OWNER	Property _____ Tank is _____	Name _____ Address _____ Telephone _____
2. OPERATOR		Name _____ Address _____ Telephone _____
3. REASON FOR TEST (Explain Fully)		Name _____ Address _____ Telephone _____
4. WHO REQUESTED TEST AND WHEN		Name _____ Address _____ Telephone _____
5. TANK INVOLVED Use additional lines for manifolded tanks	Capacity _____ Brand/Supplier _____ Age _____ Grade _____ Fills _____ Cover _____ Concrete, Block Top, Earth, etc. _____ North arrow, driveway, etc. _____ Rate of fill, etc. _____	Age _____ Grade _____ Fills _____ Cover _____ Concrete, Block Top, Earth, etc. _____ North arrow, driveway, etc. _____ Rate of fill, etc. _____
6. INSTALLATION DATA	Location _____ Garage _____ Depth to the water table _____	Age _____ Grade _____ Fills _____ Cover _____ Concrete, Block Top, Earth, etc. _____ North arrow, driveway, etc. _____ Rate of fill, etc. _____
7. UNDERGROUND WATER		Age _____ Grade _____ Fills _____ Cover _____ Concrete, Block Top, Earth, etc. _____ North arrow, driveway, etc. _____ Rate of fill, etc. _____
8. FILL-UP ARRANGEMENTS		Age _____ Grade _____ Fills _____ Cover _____ Concrete, Block Top, Earth, etc. _____ North arrow, driveway, etc. _____ Rate of fill, etc. _____
9. CONTRACTOR, MECHANICS, any other contractor involved		Age _____ Grade _____ Fills _____ Cover _____ Concrete, Block Top, Earth, etc. _____ North arrow, driveway, etc. _____ Rate of fill, etc. _____
10. OTHER INFORMATION OR REMARKS		Age _____ Grade _____ Fills _____ Cover _____ Concrete, Block Top, Earth, etc. _____ North arrow, driveway, etc. _____ Rate of fill, etc. _____
11. TEST RESULTS		Age _____ Grade _____ Fills _____ Cover _____ Concrete, Block Top, Earth, etc. _____ North arrow, driveway, etc. _____ Rate of fill, etc. _____
12. SENSOR CERTIFICATION		Age _____ Grade _____ Fills _____ Cover _____ Concrete, Block Top, Earth, etc. _____ North arrow, driveway, etc. _____ Rate of fill, etc. _____

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14

Name of Supplier, Owner or Dealer

Address, P.O. and Street(s)

City

State

Date of Test

15. TANK TO TEST

Identify by position _____
Brand and Grade _____

15a. BRIEF DIAGRAM OF TANK FIELD

16. CAPACITY

Nominal Capacity _____ Gallons
By most accurate capacity chart available _____ Gallons

- From
- ☐ Station Chart
 - ☒ Tank Manufacturer's Chart
 - ☐ Company Engineering Data
 - ☐ Charts supplied with
 - ☐ Other _____

Total Gallons as Shown

17. FILL-UP FOR TEST

Stick Water Bottom before Fill-up _____ in _____

18. SPECIAL CONDITIONS AND PROCEDURES

See manual sections applicable. Check below and

Use maximum allowable test pressure for all four pound rule does not apply to double

Complete section below

1. Is four pound rule required?

2. Height to 12 ft.

3. Pit

The above establish a procedure to company area. Refer to N.F.P.A. 30, manufacturer regarding



**Fenley & Nicol
Co. Inc.**

1. OWNER Property _____ Tanks: _____	Name _____	Address _____	Telephone _____
	Name _____	Address _____	Telephone _____
	Name _____	Address _____	Telephone _____
2. OPERATOR			
3. REASON FOR TEST (Specify Fully)			
4. WHO REQUESTED TEST AND WHEN			
5. TANK INVOLVED Use additional lines for manifolded tanks	Capacity	Brand/Supplier	Grade
	Location	Cover	Fills
6. INSTALLATION DATA	North inside dimensions, Head of station, etc.	Concrete, Block Top, Earth, etc.	Size, Manifolded
	Depth to the water table	Is the water over the tank? Yes _____ No _____	
7. UNDERGROUND WATER			
8. FILL-UP ARRANGEMENTS	Tanks to be filled _____	by _____	Date _____
9. CONTRACTOR, MECHANICS, any other contractor involved	Extra product to "top off" and run tank tester. How and who to provide? Consider NO Lead		
	Terminal or other contact for notice or inquiry _____		
10. OTHER INFORMATION OR REMARKS	Company _____		
	Name _____ Telephone _____		
11. TEST RESULTS	Additional information on any items above. Officials or others to be advised when testing is in progress or completed. Visitors or observers present during test, etc.		
	Tests were made on the above tank systems in accordance with test procedures prescribed for as detailed on attached test charts with results as follows:		
12. SENSOR CERTIFICATION	Tank Identification	Tight	Leakage Indicated
	Date Tested		
13. This is to certify that these tank systems were tested on the date(s) shown. These indicated as "Tight" meet the criteria established by the National Fire Protection Association Paragraph 303.			
Technician _____			
1. _____			
2. _____			

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14. Name of Supplier (Owner or Dealer) _____		Address (No. and Street(s)) _____		City _____	State _____	Date of Test <u>1-12-87</u>
15. TANK TO TEST <u>West middle Tank B</u> Identify by position _____ Brand and Grade _____	15a. BRIEF DIAGRAM OF TANK FIELD		16. CAPACITY Nominal Capacity <u>550</u> Gallons By most accurate capacity chart available <u>576</u> Gallons			
			<input type="checkbox"/> Station Chart <input checked="" type="checkbox"/> Tank Manufacturer's Chart <input type="checkbox"/> Company Engineering Data <input type="checkbox"/> Charts supplied with <input type="checkbox"/> Other _____			
17. FILL-UP FOR TEST Stick Water Bottom before Fill up <u>Testing</u> in _____ to _____						
18. SPECIAL CONDITIONS AND PROCF See manual sections applicable. Check below _____ Use maximum allowable test pressure for Four pound rule does not apply to this _____ Complete and test follow _____ 1. Is four pound rule _____ 2. Height to _____ 3. The 4. _____ Refer to NFPA manufacturer's regulations						



**Fenley & Nicol
Co. Inc.**

1. OWNER <input type="checkbox"/> Property <input type="checkbox"/> Tankist	Name	Address	Representative	Telephone
	Name	Address	Representative	Telephone
	Name	Address	Representative	Telephone
2. OPERATOR	Name	Address	Representative	Telephone
3. REASON FOR TEST (Explain Fully)				
4. WHO REQUESTED TEST AND WHEN				
5. TANK INVOLVED Use additional lines for manifolded tanks	Identify by Direction	Capacity	Brand/Supplier	Grade
	Location	Cover	Fills	Vents
6. INSTALLATION DATA	North inside driveway, Rear of station, etc.	Concrete, Black Top, Earth, etc.	Size, Titefill make, Drop tubes, Remote fills	Which tanks?
	Depth to the Water Table	Is the water over the tank? <input type="checkbox"/> Yes <input type="checkbox"/> No		
7. UNDERGROUND WATER	Tanks to be filled _____ hr. _____ Date Arranged by _____ Name _____ Telephone _____ Extra product to "top off" and run tank tester. How and who to provide? Consider NO Lead.			
8. FILL-UP ARRANGEMENTS	Terminal or other contact for notice or inquiry _____ Company _____ Name _____ Telephone _____			
9. CONTRACTOR, MECHANICS, any other contractor involved				
10. OTHER INFORMATION OR REMARKS				
11. TEST RESULTS	Additional information on any items above. Officials or others to be advised when testing is in progress or completed. Visitors or observers present during test, etc.			
12. SENSOR CERTIFICATION	Tank Identification	Tight	Leakage Indicated	Date Tested
13. This is to certify that these tank systems were tested on the date(s) shown. Those indicated as "Tight" meet the criteria established by the National Fire Protection Association Pamphlet 321. Technician				
1. _____ Certification # _____ 2. _____ Certification # _____				

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14.

Name of Supplier, Owner or Dealer

Address No and Street(s)

City

State

Date of Test

15. TANK TO TEST

Identify by position

Brand and Grade

15a. BRIEF DIAGRAM OF TANK FIELD

16. CAPACITY

Nominal Capacity 580 Gallons

By most accurate capacity chart available 576 Gallons

From

- ☐ Station Chart
☒ Tank Manufacturer's Chart
☐ Company Engineering Data
☐ Charts supplied with
☐ Other

Total Gallons ex. Reading

9 Gallons

17. FILL-UP FOR TEST

Stick Water Bottom before Fill up

Testing in to 12"

18. SPECIAL CONDITIONS AND PROCEDURE

See manual sections applicable. Check below and re

Use maximum allowable test pressure for all test. Four pound rule does not apply to doublew

Complete section below

1. Is four pound rule required

2. Height to 12" m

3. Private stabilizing rule to com. area. Refer to NFPA manufacturer regard

F - PHOTO LOGS

Subsurface Investigation: Spill #92-09135
200 Morgan Avenue
Brooklyn, New York
March 6, 1993



PHOTO 1. Eastern view of garage with oil/water separator located at north end of garage in between yellow bumper posts all located within property (Morgan Terminal).

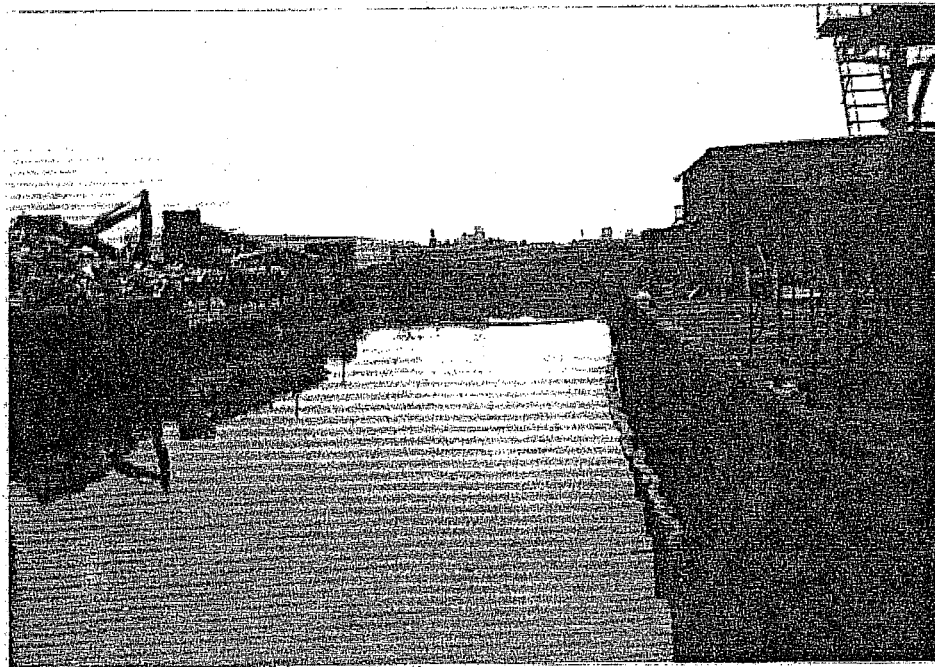


PHOTO 2. Eastern view of channel that leads into English Kills Creek.

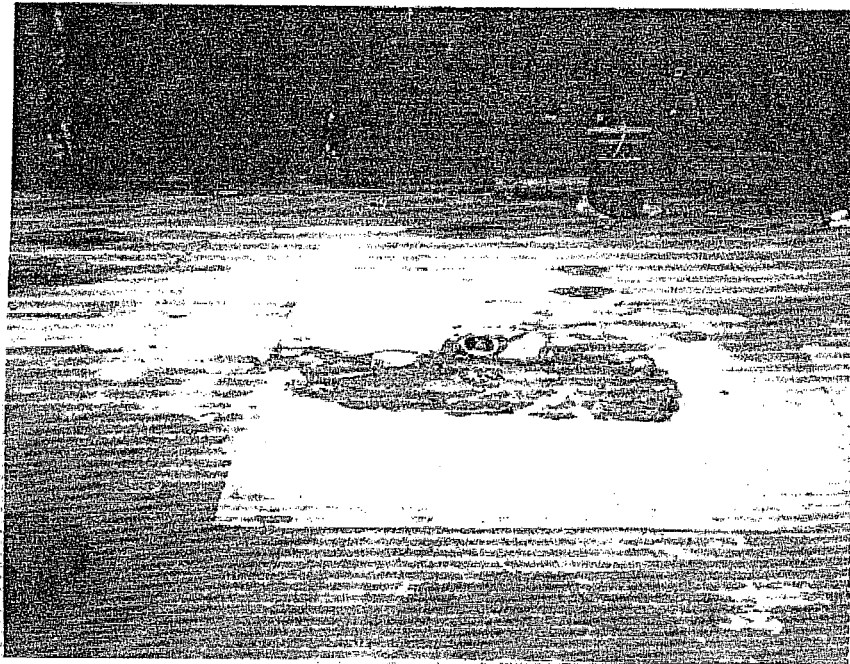


PHOTO 3. Southern view of underground storage tanks containing gasoline located just north of the aboveground storage tank area.

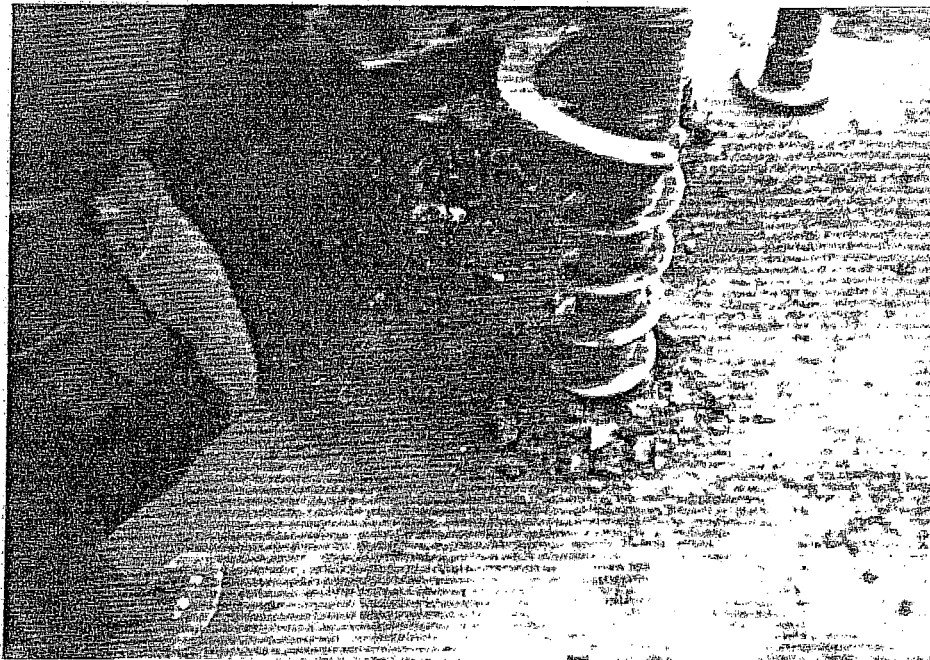


PHOTO 4. Installation of first monitoring well (FN-1) located adjacent to the underground storage tanks containing gasoline.

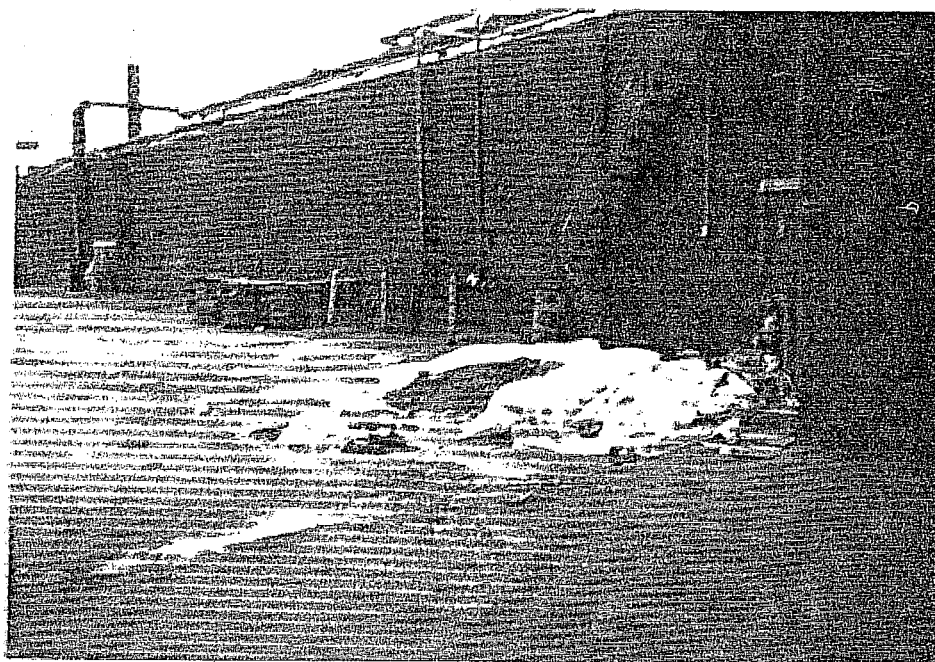


PHOTO 5. On-site drum storage and stockpile of contaminated soil cuttings from the monitoring well installations located just north of the aboveground storage tank area.

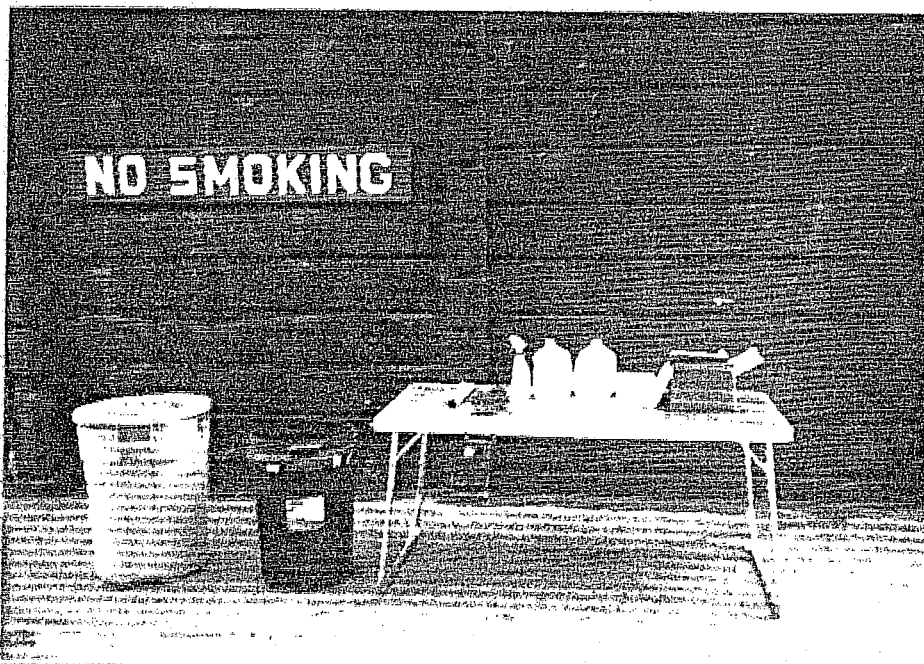


PHOTO 6. Decontamination area that includes use of two bucket Alconox soap/water wash, regular water wash, and a distilled water wash.

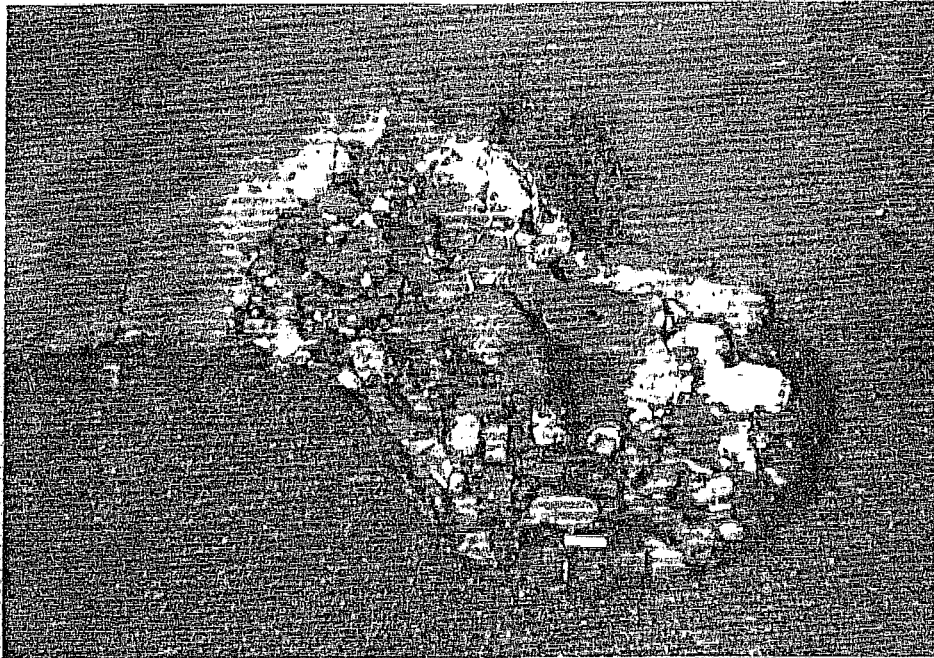


PHOTO 7. Underground storage tank containing diesel fuel located southeast of main office inside terminal.



PHOTO 8. Southeastern view (back) of terminal with aboveground storage tank area (white concrete wall) located north of telephone poles. Monitoring wells FN-10 through FN-16 were installed just south of the white concrete wall where significant cracks and oil stains were observed on the walls.

TABLES 1 - 12

SOIL SAMPLE RESULTS

TABLE 1
LABORATORY RESULTS FOR SOIL SAMPLES
(TCLP FOR VOLATILE)

BORING#	B-1(FN-1)	B-2(FN-2)	B-3(FN-3)	B-9(FN-9)	B12(FN-12)	B13(FN-13)	Regulatory
DEPTH(FT)	1-2	8-10	2-4	2-4	2-4	4-6	level(mg/l)
COMPOUNDS							
Detected (mg/l)							
Aceton	.01	.01	.01	.01	.01	.01	N/A
Benzene	<.01	<.01	<.01	<.01	<.01	<.01	.5
n-Butylalcohol	<.01	<.01	<.01	<.01	<.01	<.01	N/A
Carbon Disulfide	<.01	<.01	<.01	<.01	<.01	<.01	N/A
Carbon Tetrachloride	<.01	<.01	<.01	<.01	<.01	<.01	.5
Chloroform	<.01	<.01	<.01	<.01	<.01	<.01	100
1,2- Dichloroethane	<.01	<.01	<.01	<.01	<.01	<.01	6
1,1- Dichloroethylen	<.01	<.01	<.01	<.01	<.01	<.01	.5
Ethyl Acetate	<.01	<.01	<.01	<.01	<.01	<.01	7
Ethyl Benzene	<.01	<.01	<.01	<.01	<.01	<.01	N/A
Ethyl Ether	<.01	<.01	<.01	<.01	<.01	<.01	N/A
Isobutanol	<.01	<.01	<.01	<.01	<.01	<.01	N/A
Methanol	<.01	<.01	<.01	<.01	<.01	<.01	N/A
Methylene chlorid	<.01	<.01	<.01	<.01	<.01	<.01	N/A
Methyl ethyl keton	<.01	<.01	<.01	<.01	<.01	<.01	200
Methyl isobutyl ketoe	<.01	<.01	<.01	<.01	<.01	<.01	N/A
Tetrachloroethylene	<.01	<.01	<.01	<.01	<.01	<.01	.7
Toluene	<.01	<.01	<.01	<.01	<.01	<.01	N/A
1,1,1- Trichloroethar	<.01	<.01	<.01	<.01	<.01	<.01	N/A
Tichloroethylene	<.01	<.01	<.01	<.01	<.01	<.01	.5
Trichlorofluorometha	<.01	<.01	<.01	<.01	<.01	<.01	N/A
1,1,2- Trichloro	<.01	<.01	<.01	<.01	<.01	<.01	N/A
Vinyl Chlorid	<.01	<.01	<.01	<.01	<.01	<.01	.2
Xylene	<.01	<.01	<.01	<.01	<.01	<.01	N/A

ALL RESULTS IN MG/L

N/A STAND FOR NOT APPLICABLE

TABLE 2

Laboratory Results for soil samples

(TCLP)

Boring #	B-1(FN-1)	B-2(FN-2)	B-3(FN-3)	B-9(FN-9)	B-12(FN-12)	B-13(FN-13)	Regulatory
Depth(ft)	1-2	8-10	2-4	2-4	2-4	4-6	level(mg/l)
ANALYTICAL * PARAMETERS (MG/L)							
Arsenic	<.300	<.300	<.300	<.300	<.300	.300	5
Barium	.203	.195	.272	.286	.250	.226	100
Cadmium	.011	<.001	.006	.014	<.001	.005	1
Chromium	.022	<.020	<.020	<.020	<.020	<.020	5
Lead	.273	.03	.110	<.005	.078	<.005	5
Mercury	<.0005	<.0005	<.0005	<.0005	<.0005	<.0005	.2
Selenium	.850	.976	<.250	.638	<.0250	.884	1
Silver	<.005	<.005	<.005	<.005	<.005	.019	5

ALL RESULTS IN MG/L

TABLE 3

Laboratory Results for soil samples

(TCLP)

Boring #	B-1(FN-1)	B-2(FN-2)	B-3(FN-3)	B-9(FN-9)	B-12(FN-12)	B-13(FN-13)	Regulatory
Depth(ft)	1-2	8-10	2-4	2-4	2-4	4-6	level(mg/l)
ANALYTICAL *							
PARAMETERS (MGL)							
1016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1221	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1232	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1242	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1248	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1254	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1260	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

All results in ug/kg

TABLE 4
Laboratory Results for soil samples
(TCLP)

Boring #	B-10(FN-10)	B-11(FN-11)	B-14(FN-14)	B-15(FN-15)	B-16(FN-16)	Regulatory
Depth(ft)	4-6	4-6	4-6	4-6	4-6	level(mg/l)
ANALYTICAL *						
PARAMETERS (MG/L)						
Arsenic	<.300	<.300	<.300	<.300	<.300	5
Barium	.213	.195	9.192	.212	.305	100
Cadmium	<.001	<.001	.008	.007	.002	1
Chromium	.044	<.020	<.020	<.020	<.020	5
Lead	.100	<.005	<.005	<.005	<.005	5
Mercury	<.0005	<.0005	<.0005	<.0005	<.0005	.2
Selenium	.786	<.250	.992	<.0250	.410	1
Silver	.024	<.005	<.005	<.005	<.005	5

ALL RESULTS IN MG/L

TABLE 5
Laboratory Results for soil samples

(TCLP)

Boring #	B-17(FN-17)	B-18(FN-18)	B-18(FN-18)	B-19(FN-19)	B-20(FN-20)	Regulatory
Depth(ft)	4-6	4-6	6-8	10	8-10	level(mg/l)
ANALYTICAL *						
PARAMETERS (MG/L)						
Arsenic	<.300	<.300	<.300	<.300	<.300	5
Barium	<.004	.397	.523	.823	.643	100
Cadmium	<.001	<.001	.001	<.001	<.001	1
Chromium	<.020	<.020	<.020	.026	<.020	5
Lead	.006	.046	.076	.056	<.005	5
Mercury	.003	.0009	.0008	.030	<.0005	.2
Selenium	<.250	.830	.962	<.0250	<.250	1
Silver	<.005	.032	.005	.014	<.005	5

ALL RESULTS IN (MG/L)

TABLE 6

Laboratory Results for soil samples

(TCLP)

Boring #	B10(FN-10)	B-11(FN-11)	B14(FN-14)	B-15(FN-15)	B-16(FN-16)	B-17(FN-17)
Depth(ft)	4-6	4-6	4-6	4-6	4-6	4-6
ANALYTICAL *						
PARAMETERS (MGL)						
1016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1221	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1232	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1242	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1248	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1254	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1260	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

All results in ug/kg

TABLE 7

Laboratory Results for soil samples

(TCLP)

Boring #	B-18(FN-18)	B18(FN-18)	B-19(FN-19)	B-20(FN-20)
Depth(ft)	4-6	4-6	4-6	4-6
ANALYTICAL *				
PARAMETERS (MG/L)				
1016	<1.0	<1.0	<1.0	<1.0
1221	<1.0	<1.0	<1.0	<1.0
1232	<1.0	<1.0	<1.0	<1.0
1242	<1.0	<1.0	<1.0	<1.0
1248	<1.0	<1.0	<1.0	<1.0
1254	<1.0	<1.0	<1.0	<1.0
1260	<1.0	<1.0	<1.0	<1.0

All results in ug/kg

TABLE 8
LABORATORY RESULTS FOR SOIL SAMPLES

(TCLP)							
BORING#	B10(FN-10)	B-11(FN-11)	B14(FN-14)	B15(FN-15)	B-16(FN-16)	B13(FN-13)	Regulatory
DEPTH(FT)	4-6	4-6	4-6	4-6	4-6	4-6	level(mg/l)
COMPOUNDS							
Detected (mg/l)							
Aceton	.04	<.01	<.01	<.01	.01	.02	n.a
Benzene	<.01	<.01	<.01	<.01	<.01	<.01	.5
n-Butylalcohol	<.01	<.01	<.01	<.01	<.01	<.01	n.a
Carbon Disulfide	<.01	<.01	<.01	<.01	<.01	<.01	n.a
Carbon Tetrachloride	<.01	<.01	<.01	<.01	<.01	<.01	.5
Chloroform	<.01	<.01	<.01	<.01	<.01	<.01	100
1,2- Dichloroethane	<.01	<.01	<.01	<.01	<.01	<.01	6
1,1- Dichloroethylene	<.01	<.01	<.01	<.01	<.01	<.01	5
Ethyl Acetate	<.01	<.01	<.01	<.01	<.01	<.01	7
Ethyl Benzene	<.01	<.01	<.01	<.01	<.01	<.01	n.a
Ethyl Ether	<.01	<.01	<.01	<.01	<.01	<.01	n.a
Isobutanol	<.01	<.01	<.01	<.01	<.01	<.01	n.a
Methanol	<.01	<.01	<.01	<.01	<.01	<.01	n.a
Methylene chlorid	<.01	<.01	<.01	<.01	<.01	<.01	n.a
Methyl ethyl keton	<.01	<.01	<.01	<.01	<.01	<.01	200
Methyl isobutyl ketoe	<.01	<.01	<.01	<.01	<.01	<.01	n.a
Tetrachloroethylene	<.01	<.01	<.01	<.01	<.01	<.01	.7
Toluene	<.01	<.01	<.01	<.01	<.01	<.01	n.a
1,1,1- Trichloroethan	<.01	<.01	<.01	<.01	<.01	<.01	n.a
Tichloroethylene	<.01	<.01	<.01	<.01	<.01	<.01	.5
Trichlorofluorometha	<.01	<.01	<.01	<.01	<.01	<.01	n.a
1,1,2- Trichloro	<.01	<.01	<.01	<.01	<.01	<.01	n.a
Vinyl Chlorid	<.01	<.01	<.01	<.01	<.01	<.01	.2
Xylene	<.01	<.01	<.01	<.01	<.01	<.01	n.a

N/A = NOT APPLICABLE

TABLE 9
LABORATORY RESULTS FOR SOIL SAMPLES

(TCLP)

BORING#	B17(FN-17)	B-18(FN-18)	B18(FN18)	B19(FN19)	B20(FN20)	Regulatory
DEPTH(FT)	4-6	4-6	6-8	10	8-10	level(mg/l)
COMPOUNDS						
Detected (mg/l)						
Aceton	.04	<.01	<.01	<.01	.01	N/A
Benzene	<.01	<.01	<.01	<.01	<.01	.5
n-Butylalcohol	<.01	<.01	<.01	<.01	<.01	N/A
Carbon Disulfide	<.01	<.01	<.01	<.01	<.01	N/A
Carbon Tetrachloride	<.01	<.01	<.01	<.01	<.01	.5
Chloroform	<.01	<.01	<.01	<.01	<.01	100
1,2- Dichloroethane	<.01	<.01	<.01	<.01	<.01	6
1,1- Dichloroethylen	<.01	<.01	<.01	<.01	<.01	5
Ethyl Acetate	<.01	<.01	<.01	<.01	<.01	7
Ethyl Benzene	<.01	<.01	<.01	<.01	<.01	N/A
Ethyl Ether	<.01	<.01	<.01	<.01	<.01	N/A
Isobutanol	<.01	<.01	<.01	<.01	<.01	N/A
Methanol	<.01	<.01	<.01	<.01	<.01	N/A
Methylene chlorid	<.01	<.01	<.01	<.01	<.01	N/A
Methyl ethyl keton	<.01	<.01	<.01	<.01	<.01	200
Methyl isobutyl ketoe	<.01	<.01	<.01	<.01	<.01	N/A
Tetrachloroethylene	<.01	<.01	<.01	<.01	<.01	.7
Toluene	<.01	<.01	<.01	<.01	<.01	N/A
1,1,1- Trichloroethan	<.01	<.01	<.01	<.01	<.01	N/A
Tichloroethylene	<.01	<.01	<.01	<.01	<.01	.5
Trichlorofluorometha	<.01	<.01	<.01	<.01	<.01	N/A
1,1,2- Trichloro	<.01	<.01	<.01	<.01	<.01	N/A
Vinyl Chlorid	<.01	<.01	<.01	<.01	<.01	.2
Xylene	<.01	<.01	<.01	<.01	<.01	N/A

N/A NOT APPLICABLE

TABLE 10
LABORATORY RESULTS FOR SOIL SAMPLES

(METHOD 8240)

BORING#	B17(FN 17)	B 18(FN 18)	B18(FN18)	B19(FN19)	B20(FN20)
DEPTH(FI)	4-6	4-6	6-8	10	8-10
COMPOUNDS					
Detected(ppb)					
Chloromethane	N.D	N.D	N.D	N.D	N.D
Bromoethane	N.D	N.D	N.D	N.D	N.D
Chloroethane	N.D	N.D	N.D	N.D	N.D
Methylene Chloride	N.D	N.D	N.D	N.D	N.D
1,1-Dichloroethane	N.D	N.D	N.D	N.D	N.D
1,1-Dichloroethane	N.D	N.D	N.D	N.D	N.D
trans-1,2-Dichloroethene	N.D	N.D	N.D	N.D	N.D
Chloroform	N.D	N.D	N.D	N.D	N.D
1,2-Dichloroethane	N.D	N.D	N.D	N.D	N.D
Trichlorofluoromethane	N.D	N.D	N.D	N.D	N.D
1,1,1-Trichloroethane	N.D	N.D	N.D	N.D	N.D
Carbon Tetrachloride	N.D	N.D	N.D	N.D	N.D
Bromodichloromethane	N.D	N.D	N.D	N.D	N.D
1,2-Dichloropropane	N.D	N.D	N.D	N.D	N.D
Total Xylenes	N.D	N.D	N.D	323	<50
trans-1,3-Dichloropropane	N.D	N.D	N.D	N.D	N.D
Trichloroethene	N.D	N.D	N.D	N.D	N.D
Dibromochloromethane	N.D	N.D	N.D	N.D	N.D
1,1,2-Trichloroethane	N.D	N.D	N.D	N.D	N.D
Benzene	N.D	N.D	N.D	N.D	N.D
cis-1,3-Dichloropropane	N.D	N.D	N.D	N.D	N.D
2-chloroethyl	N.D	N.D	N.D	N.D	N.D
Bromoform	N.D	N.D	N.D	N.D	N.D
Tetrachloroethene	N.D	N.D	N.D	N.D	N.D
1,1,2,2-Tetrachloroethane	N.D	N.D	N.D	N.D	N.D
Toluene	N.D	N.D	N.D	68	N.D
Chlorobenzene	N.D	N.D	N.D	N.D	N.D
Ethylbenzene	N.D	N.D	N.D	83	N.D
1,3-Dichlorobenzene	N.D	N.D	N.D	N.D	N.D
1,4-dichlorobenzene	447	N.D	N.D	N.D	N.D
1,2-Dichlorobenzene	965	N.D	N.D	N.D	N.D
TOTAL VOLATILE	1412	N/D	N/D	472	N/D

ECRA ACTION LEVEL = 1000 PPB

N/D = NOT DETECTED

TABLE 11
LABORATORY RESULTS FOR SOIL SAMPLES

(METHOD 8240)

BORING#	B-1(TN-1)	B-3(TN-3)	B-9(TN-9)	B-12(TN-12)	B13(TN-13)
DEPTH(FT)	1-2	2-4	2-4	2-4	4-6
COMPOUNDS					
Detected(ppb)					
Chloromethane	N.D	N.D	N.D	N.D	N.D
Bromoethane	N.D	N.D	N.D	N.D	N.D
Chloroethane	N.D	N.D	N.D	N.D	N.D
Methylene Chloride	N.D	N.D	N.D	N.D	N.D
1,1-Dichloroethane	N.D	N.D	N.D	N.D	N.D
1,1-Dichloroethane	N.D	N.D	N.D	N.D	N.D
trans-1,2-Dichloroethane	N.D	N.D	N.D	N.D	N.D
Chloroform	N.D	N.D	N.D	N.D	N.D
1,2-Dichloroethane	N.D	N.D	N.D	N.D	N.D
Trichlorofluoromethane	N.D	N.D	N.D	N.D	N.D
1,1,1-Trichloroethane	N.D	N.D	N.D	N.D	N.D
Carbon Tetrachloride	N.D	N.D	N.D	N.D	N.D
Bromodichloromethane	N.D	N.D	N.D	N.D	N.D
1,2-Dichloropropane	N.D	N.D	N.D	N.D	N.D
Total Xylenes	N.D	184	N.D	323	<50
trans-1,3-Dichloropropane	N.D	N.D	N.D	N.D	N.D
Trichloroethene	N.D	N.D	N.D	N.D	N.D
Dibromochloromethane	N.D	N.D	N.D	N.D	N.D
1,1,2-Trichloroethane	N.D	N.D	N.D	N.D	N.D
Benzene	N.D	N.D	N.D	N.D	N.D
cis-1,3-Dichloropropane	N.D	N.D	N.D	N.D	N.D
2-chloroethyl	N.D	N.D	N.D	N.D	N.D
Bromoform	N.D	N.D	N.D	N.D	N.D
Tetrachloroethene	N.D	N.D	N.D	N.D	N.D
1,1,2,2-Tetrachloroethane	N.D	N.D	N.D	N.D	N.D
Toluene	<50	60	N.D	68	N.D
Chlorobenzene	N.D	N.D	N.D	N.D	N.D
Ethylbenzene	N.D	37	N.D	83	N.D
1,3-Dichlorobenzene	N.D	N.D	N.D	N.D	N.D
1,4-dichlorobenzene	447	N.D	N.D	N.D	N.D
1,2-Dichlorobenzene	965	N.D	N.D	N.D	N.D
TOTAL VOLATILE	1412	281	N/D	474	N/D

ECRA ACTION LEVEL = 1000 PPB

ALL RESULTS IN PPB

TABLE 12

LABORATORY RESULTS FOR SOIL SAMPLES

(METHOD 8240)

BORING#	B10(FN-10)	B-11(FN-11)	B-14(FN-14)	B-15(FN15)	B16(FN-16)
DEPTH(F-T)	4-6	4-6	4-6	4-6	4-6
COMPOUNDS					
Detected(ppb)					
Chloromethane	N.D	N.D	N.D	N.D	N.D
Bromoethane	N.D	N.D	N.D	N.D	N.D
Chloroethane	N.D	N.D	N.D	N.D	N.D
Mehylene Chlrde	N.D	N.D	N.D	N.D	N.D
1,1-Dichloroethane	N.D	N.D	N.D	N.D	N.D
1,1-Dichloroethane	N.D	N.D	N.D	N.D	N.D
trans-1,2-Dichloroethen	N.D	N.D	N.D	N.D	N.D
Chloroform	N.D	N.D	N.D	N.D	N.D
1,2-Dichloroethane	N.D	N.D	N.D	N.D	N.D
Trichlorofuloromethane	N.D	N.D	N.D	N.D	N.D
1,1,1-Trichloroethane	N.D	N.D	N.D	N.D	N.D
Carbon Tetrachloride	N.D	N.D	N.D	N.D	N.D
Bromodichloromethane	N.D	N.D	N.D	N.D	N.D
1,2-Dichloropropane	N.D	N.D	N.D	N.D	N.D
Total Xylenes	N.D	4450	N.D	N.D	N.D
trans-1,3-Dichloroprope	N.D	N.D	N.D	N.D	N.D
Trichloroethene	N.D	N.D	N.D	N.D	N.D
Dibromochloromethane	N.D	N.D	N.D	N.D	N.D
1,1,2-Trichloroethane	N.D	N.D	N.D	N.D	N.D
Benzene	N.D	N.D	N.D	N.D	N.D
cis-1,3-Dichloroproper	N.D	N.D	N.D	N.D	N.D
2-chloroethyl	N.D	N.D	N.D	N.D	N.D
Bromoform	N.D	N.D	N.D	N.D	N.D
Tetrachloroethene	N.D	N.D	N.D	N.D	N.D
1,1,2,2-Tetrachloroethane	N.D	N.D	N.D	N.D	N.D
Toluene	N.D	293	N.D	<50	N.D
Chlorobenzene	N.D	N.D	N.D	N.D	N.D
Ethylbenzene	N.D	802	N.D	83	N.D
1,3-Dichlorobenzene	N.D	N.D	N.D	N.D	N.D
1,4-dichlorobenzene	447	N.D	N.D	N.D	N.D
1,2-Dichlorobenzene	965	N.D	N.D	N.D	N.D
TOTAL VOLATILE	1412	5545	N/D	83	N/D

ECRA ACTION LEVEL = 1000 PPB

ALL RESULTS IN PPB

TABLES 13 - 17

GROUNDWATER AND HYDROCARBON/PRODUCT SAMPLE RESULTS

TABLE 13
LABORATORY RESULTS FOR
GROUND WATER SAMPLES(METHOD 310-13)

ANALYTICAL	FN-1	FN-2(E)	FN-3(E)	FN-4	FN-5(E)	FN-6	FN-7	FN-8	FN-9	FN-10
PARAMETERS										
UL/L										
GASOLINE	N.D	*	*	N.D	*	N.D	N.D	N.D	N.D	N.D
LUBRICATING OIL	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D
KEROSENE	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
FUEL OIL	.5	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1

* ANALYZED BY NYSDOH METHOD 310.13 : GASOLINE & LUBRICATING OIL

CAN NOT BE QUANTIFIED BY THIS METHOD. UL/KG Equiv. to PPM.

ALL RESULTS IN (UL/L)

(E) GASOLINE PRESENTS

TABLE 14
LABORATORY RESULTS FOR
GROUND WATER SAMPLES(METHOD 310-13)

ANALYTICAL	FN-11	FN-12	FN-13	FN-14	FN-15	FN-16	FN-17	FN-18	FN-19	FN-20
PARAMETERS										
UL/L										
GASOLINE	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D
LUBRICATING OIL	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D
KEROSENE	<52000	<200	<.1	<.1	<1000	<.1	<4000	<.1	<.1	<.1
FUEL OIL	410000	1400	<.1	<.1	5000	<.1	40000	<.1	<.1	<.1

* ANALYZED BY NYSDOH METHOD 310.13 : GASOLINE & LUBRICATING OIL

CAN NOT BE QUANTIFIED BY THIS METHOD. UL/KG Equiv. to PPM.

ALL RESULTS IN (UL/L)

WELLS#FN-11,12,15,17 CONTAINED FLOATING PRODUCTS.

TABLE 15
LABORATORY RESULTS FOR
FLOATING PRODUCTS SAMPLES
AT MONITORING WELLS #11 &17

ANALYTICAL *	FN-11	FN-17	Regulatory level
PARAMETERS (UG/L)	(UG/L)	(UG/L)	(mg/l)
Lindane	<250	<250	.4
Endrin	<250	<250	.02
Methoxychlor	<500	<500	10
Toxaphene	<5000	<5000	.50
Chlordane	<1000	<1000	.03
Heptachlor	<250	<250	.008
Heptachlorepoide	<250	<250	.008
2,4 - D	<1000	<1000	10
2,4,5 - TP	<1000	<1000	10
2- Methylphenol(o- cresol)	<50000	<40000	200
3- Methylphenol(M- cresol)	<50000	<40000	200
4- Methylphenol(P- cresol)	<50000	<40000	200
Pentachlorophenol	<50000	<40000	100
2,4,5- Trichlorophenol	<50000	<40000	400
2,4,6- Trichlorophenol	<50000	<40000	2
2,4- Dinitrotoluene	<50000	<40000	.13
Hhexachlorobenzene	<50000	<40000	.13
Hexachloroethane	<50000	<40000	3
Nitrobenzene	<50000	<40000	2
Pyridine	<50000	<40000	5

ALL RESULTS IN (UG/L)

* USEPA METHOD 1311

TABLE 16
LABORATORY RESULTS FOR
FLOATING PRODUCTS SAMPLES
AT WELLS # 11 & 17

ANALYTICAL PARAMETERS (UG/L)	FN-11	FN-17	MCL(MG/L)
Carbon Tetrachloride	<1000	<200	.50
Chlorobenzene	<2000	<400	100
chloroform	<1000	<200	6
1,4 Dichlorobenzene	<2000	<200	7.50
1,2 Dichloroethane	<1000	560	.5
1,1 Dichloroethane	<1000	<200	.70
Methyl Ethyl Ketane	<20000	<200	200
Tetrachloroethene	<1000	<4000	.7
Trichloroethylene	<1000	<200	.5
Vinyl Chloride	<1000	<200	.2
Benzene	3100	630	.5

ALL RESULTS IN (UG/L)

TABLE 17

LABORATORY RESULTS FOR

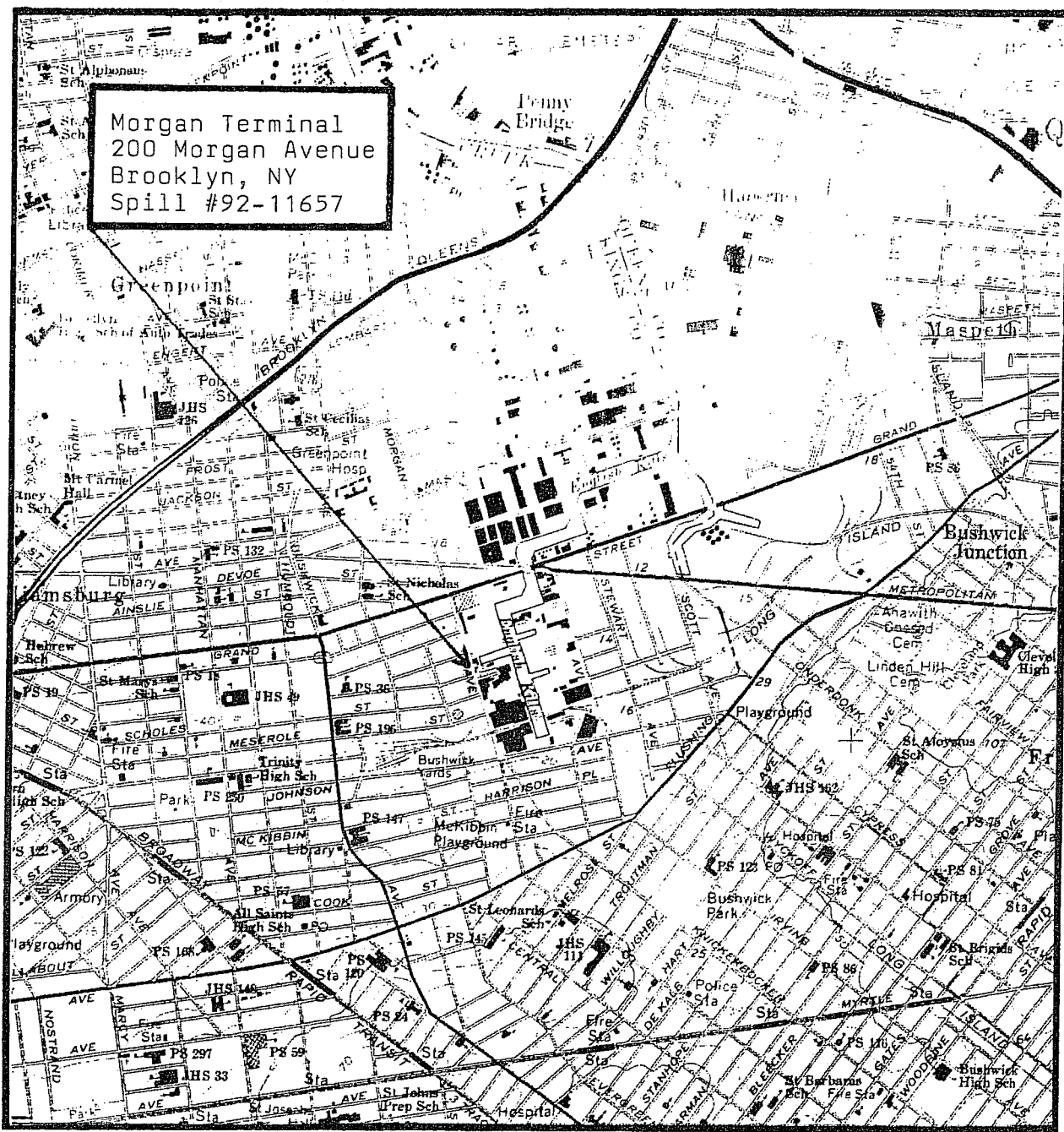
FLOATING PRODUCTS SAMPLES

AT WELLS # 11 & 17

ANALYTICAL *	FN-11	FN-17	Regulatory
PARAMETERS (MG/L)			level(mg/l)
Arsenic	<.05	<.05	5
Barium	.88	.82	100
Cadmium	.022	<.02	1
Chromium	9.7	.30	5
Lead	11	2.9	5
Mercury	.091	<.005	.2
Selenium	.070	.005	1
Silver	.17	<.05	5
SPECIFIC GRAVITY	.95	.99	
Flash Point deg c	77	75	

ALL RESULTS IN (MG/L)

FIGURE 1
SITE LOCATION MAP



USGS - Site Location Map

SCALE 1:24000

1000 0 1000 2000 3000 4000 5000 FEET

Reproduced From USGS 7.5 Minute Quadrangle Map



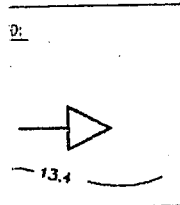
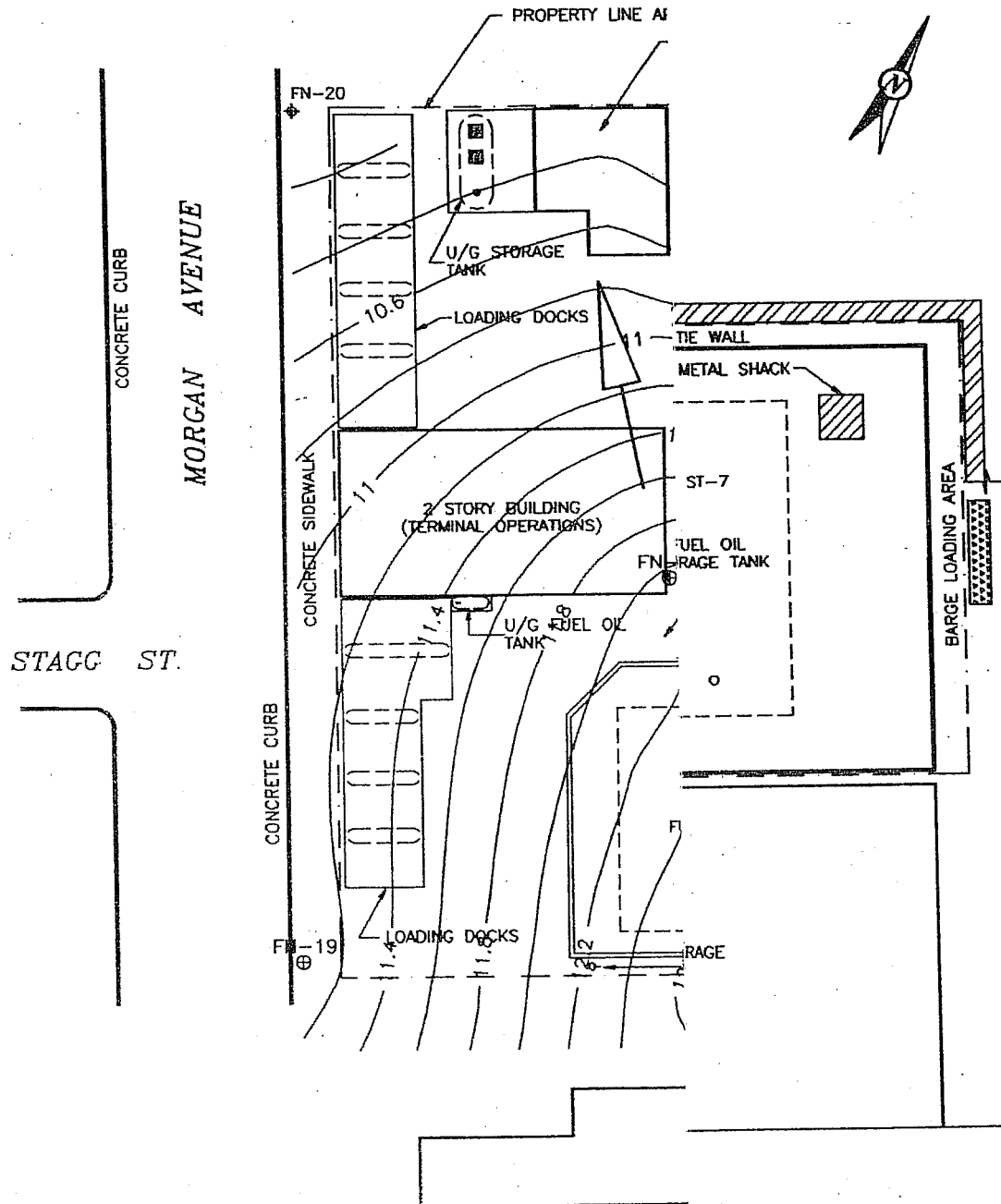
Fenley & Nicol
Environmental

445 BROOK AVENUE, DEER PARK, NEW YORK 11729

(516) 586-4900

FIGURE 2
SITE PLAN

FIGURE 3
GROUNDWATER CONTOUR MAP



Fenley & Terminal
Environmental Services, Inc.
 445 BROOK AVENUE
 N.Y. 11237

445 BROOK AVENUE, DEER PARK, NEW YORK 11729

(51

DWC# 70583GGM

FIGURE 4
FLOATING HYDROCARBON/PRODUCT MAP

FIGURE 4
FLOATING HYDROCARBON/PRODUCT MAP

**Status Report-November 1995-April 1996
Morgan Terminal
Brooklyn, New York**

Prepared For: New York State Department of Environmental Conservation-
Region II
222-34 96th Avenue
Queens Village, NY 11429
Attention: Mr. Christopher Tomasello

Prepared By: Fenley & Nicol Environmental
445 Brook Avenue
Deer Park, New York 11729

Project Geologist: Saul Ash

Date: June 20, 1996



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FIGURES

1. Site Plan
2. Ground Water Gradient Map
3. Hydrograph
4. Free Phase Product Plume Map

APPENDICES

- A. Monitoring Data
- B. Laboratory Data Sheets

1.0 INTRODUCTION

Fenley & Nicol Environmental (F & N) is engaged in the subsurface investigation and remediation of Spill #92-09135, also known as "**Morgan Terminal**", and referred to in this report as "**the site**". This report summarizes the investigation and ground water remediation efforts for the period November 1, 1995 through April 31, 1996.

This site is located in Brooklyn, N.Y. between Morgan Avenue to the west and English Kills to the north. The site is an abandoned bulk oil terminal.

A limited scope site investigation was performed in 1991 by Big Apple Testing Laboratories, Inc. This investigation found elevated concentrations of Total Hydrocarbons in soil and ground water, as well as xylene and toluene in ground water.

The site received a Spill number in 1992, and in early 1993 F & N performed an expanded Phase II investigation. As part of this effort, twenty monitoring wells were installed on the site during the first week of January 1993. Samples were collected from the monitoring wells, from soil borings, from product in the aboveground storage tanks, from the oil/water separator, from storm drains, and from two abandoned drums. The sampling included the Toxicity Characteristic Leachate Procedure (TCLP) of petroleum products on-site to determine if the products contained levels of contaminants which would qualify them as hazardous wastes. Two samples taken from Tank #1 and Tank #5 contained elevated levels of selenium, and the product samples from wells FN-11 and FN-17 contained lead and chromium at concentrations of 11 and 9.7 ppm. The concentrations of contaminants in all of the remaining samples were below hazardous waste regulatory levels. In addition to the presence of free-phase oil product in some of the monitoring wells, gasoline in the form of dissolved product was detected by Petroleum Fingerprint Identification in FN-2, FN-3, and FN-5, which are located in the vicinity of four 550-gallon gasoline USTs present on the site.

Examination of split-spoon soil samples from borings indicated that the subsurface lithology consists of unconsolidated sediments and fill materials underlain by a layer of peat. The peat is underlain by a sandy layer.

The construction of the recovery system was begun in March, 1995, and the system became operational in June, 1995. The system consists of four total fluids ejector wells located in wells FN-11, FN-15, FN-16, and FN-17. Contaminated ground water is pumped to the remediation system enclosure which houses an air compressor for the ejector pump system, a 1000-gallon oil water separator, and a 550-gallon product holding tank. In order to assist remediation efforts, free product was pumped directly from affected wells by a vacuum truck from February through August, 1995. At the present time, product is removed from the tank by a vacuum truck on an as-needed basis. The separated water effluent is treated by an activated carbon system and then discharged to English Kills.

There are a total of 23 monitoring wells and five ejector wells on-site. A fifth ejector, FN-26 was installed in 1996 and is currently being connected to the system. **Figure 1** provides a Site Plan.

The following Figures and Appendices are included in this report:

- Figure 1: Site Plan
- Figure 2: Ground Water Gradient Map
- Figure 3: Hydrograph
- Figure 4: Free Phase Product Plume Map
- Appendix A: Monitoring Data
- Appendix B: Laboratory Data Sheets

2.0 WORK PERFORMED

2.1 Site Monitoring and Ground Water Gradient

The site is monitored on a weekly basis by an F & N technician. During these visits the remediation system is checked for proper operation. A sonic interface probe is used to measure ground water elevations and to test for the presence of free phase product in all accessible monitoring wells. Any free product in the site wells is bailed by the monitor. In addition, the condition of the wells is checked.

After trace amounts of free product appeared in FN-4 during late 1995, four new monitoring wells were installed in the north central portion of the site in February 1996. FN-26, which is located adjacent to FN-4, is fitted with a Total Fluids ejector pump to recover any possible free product accumulating in the well. The remaining three wells, FN-25, FN-27, and FN-28 are monitoring wells for detecting any possible free product migration from the site towards English Kills. Odors of hydrocarbons and darkened soils at depths of approximately 8 to 24 feet below land surface were encountered during the drilling of FN-26. Maximum OVA readings from split spoons from this and all other borings was 3.5 ppm. These readings were probably influenced by the relatively non-volatile heavy fraction hydrocarbons and the high water content in the soils.

Using data from April 18, 1996 a ground water gradient map was prepared (**see Figure 2**). The map indicates areas of ground water mounding surrounding aboveground storage tanks ST-2, 3, 4, and 5. Ground water flow is directed away from the mounds in a radial fashion toward English Kills to the north and east, and towards Morgan Avenue to the west. This mound may be due to recharge entering the soil inside the tank berm.

A product thickness of 2.47 feet was monitored in FN-11 on January 5th. Thicknesses in other wells with product during this period were at trace and film thicknesses, however the product and water in the wells at this site often

form a gel-like mix, making depth to water readings difficult to distinguish from depth to product readings in some wells.

2.2 Hydrograph

Using weekly monitoring data, a hydrograph was prepared for well FN-12 (**Figure 3**). Dates on which this well could not be monitored for lack of access or icy weather are represented by gaps in the graphed lines. Monitoring of FN-12 indicates that the depth to water is frequently level with the top of the casing in this well. This may be due to the partial perching of groundwater on top of the peat layer, or from the mounding occurring in the adjacent tank berm. The hydrograph indicates fairly uniform ground water elevations in FN-12 since site monitoring began in 1995.

A uniform relationship between floating product thickness and ground water elevation in this well is also shown by the hydrograph. Product elevations rose and fell in direct proportion to the rise and fall of ground water elevations with very little time lag. This is probably due to the shallow depth to ground water on-site, the fairly uniform ground water elevations, and the minimal amount of rise and fall of the water table.

2.3 Free Phase Product

A product thickness of 2.47 feet was monitored in FN-11 on January 5th. Thicknesses in other wells with product during this period were at trace and film thicknesses, however the product and water in the wells at this site often form a gel-like mix, making depth to water readings difficult to distinguish from depth to product readings in some wells.

Monitoring well FN-28 was installed in February 1996. The weekly monitoring first detected free product in this well at trace thickness in March. The product thickness increased to 0.30 feet on April 24. The appearance of significant thicknesses of free product in this well indicates that the free product plume is larger than previously indicated by data from the older monitoring wells.

A Free Phase Product Plume Map was produced using monitoring data from April 24. Due to the difficulty described above in obtaining true product thicknesses in the wells, the plume is represented by a shaded area on the map, encompassing tank ST-2, the trench drain, and the central portion of the yard.

3.0 EFFLUENT MONITORING

The recovery system effluent was sampled for Total Petroleum Hydrocarbons on March 21, 1996. Results indicated that TPH concentrations were below the Method Detection Limit of 0.7 ppm.

4.0 CHRONOLOGY OF WORK PERFORMED

1995

November Heat tape was installed on the recovery system intake and discharge lines, the dump tank, and oil/water separator. Locking caps were installed on the monitoring wells.

1996

January Spent carbon was removed from the carbon drums and replaced with new carbon.

February Monitoring wells FN-25, 26, 27 and 28 were installed and developed.

March Trenching for the installation of an ejector in FN-26 was begun.

April

4/2 Rain water was pumped out of the trenches. Galvanized pipe was run in the trench.

4/4 A 2' by 2' ejector pit was installed. Air lines were run and discharge piping was connected.

4/9 Using a steam cleaner, scale accumulations were removed from the dump tank.

4/10 The ejector pumps were cleaned and routine maintenance was performed.
and
4/15

4/16 The activated carbon in the treatment drums was replaced.

5.0 CONCLUSIONS AND RECOMMENDATIONS

5.1 Conclusions

1. Site monitoring indicates that ground water flows from an area of mounding in the center of the site in a radial fashion toward English Kills to the north and east, and towards Morgan Avenue to the west. This pattern is consistent with previous ground water gradient determinations.

2. A plume of free phase product emanating from the fuel oil storage tank area, and trending toward English Kills is present on-site. According to the



ground water gradient and flow directions, the spread of this plume is consistent with a source area at the tanks.

3. Free phase product has recently appeared in downgradient well FN-4 in trace amounts. This indicates a spread of the plume to the north. **Free product has also appeared in newly installed well FN-28 in thicknesses up to 0.3 feet, indicating that the free product plume has a greater extent than previously indicated by data from the older monitoring wells.**

4. Large aboveground fuel-oil tanks and underground tanks remain on-site. These tanks have not received proper closure and may be on-going sources of contamination of the site's soils and ground water.

5.2 Recommendations

1. An ejector well should be installed adjacent to FN-28 in order to recover free product from this portion of the site and to prevent possible migration of the product into English Kills.

2. Three monitoring wells should be installed in the vicinity of FN-28, in order to provide further definition of the free product plume in this area.

3. F & N would like to perform Enhanced Fluid Recovery at the site. The combination of low soil permeability and a shallow depth to ground water are conducive to recovery by this method.

4. A round of sampling for dissolved product should be performed. Monitoring wells should be sampled by Methods 602 and 8270 Base Neutrals. The monitoring wells in the vicinity of the gasoline tanks should be sampled by these methods in addition to Method 8021 plus MTBE.

5. A closure plan for the on-site tanks should be developed.

FIGURE 1: SITE PLAN

FIGURE 2: GROUND WATER GRADIENT MAP

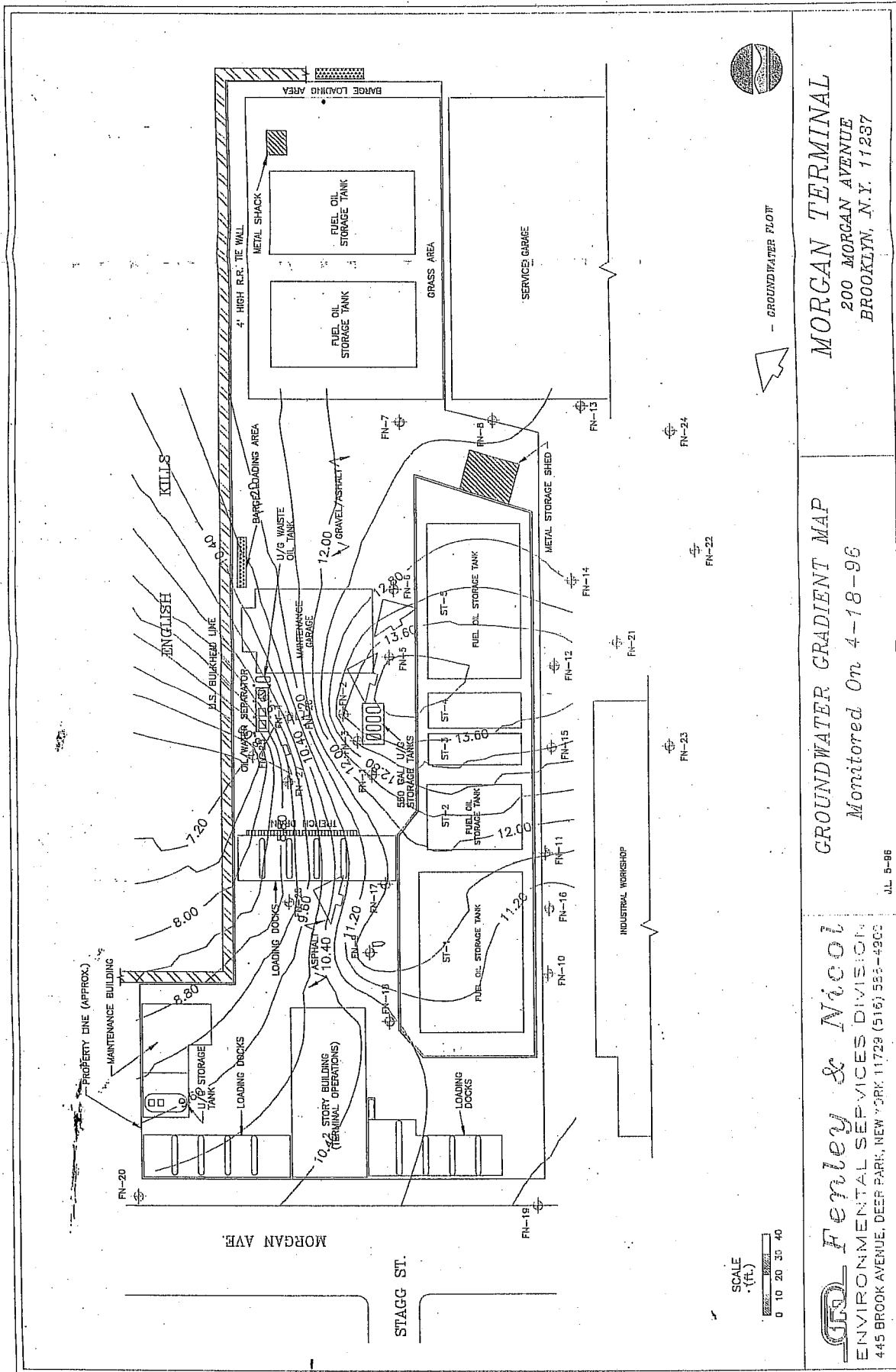
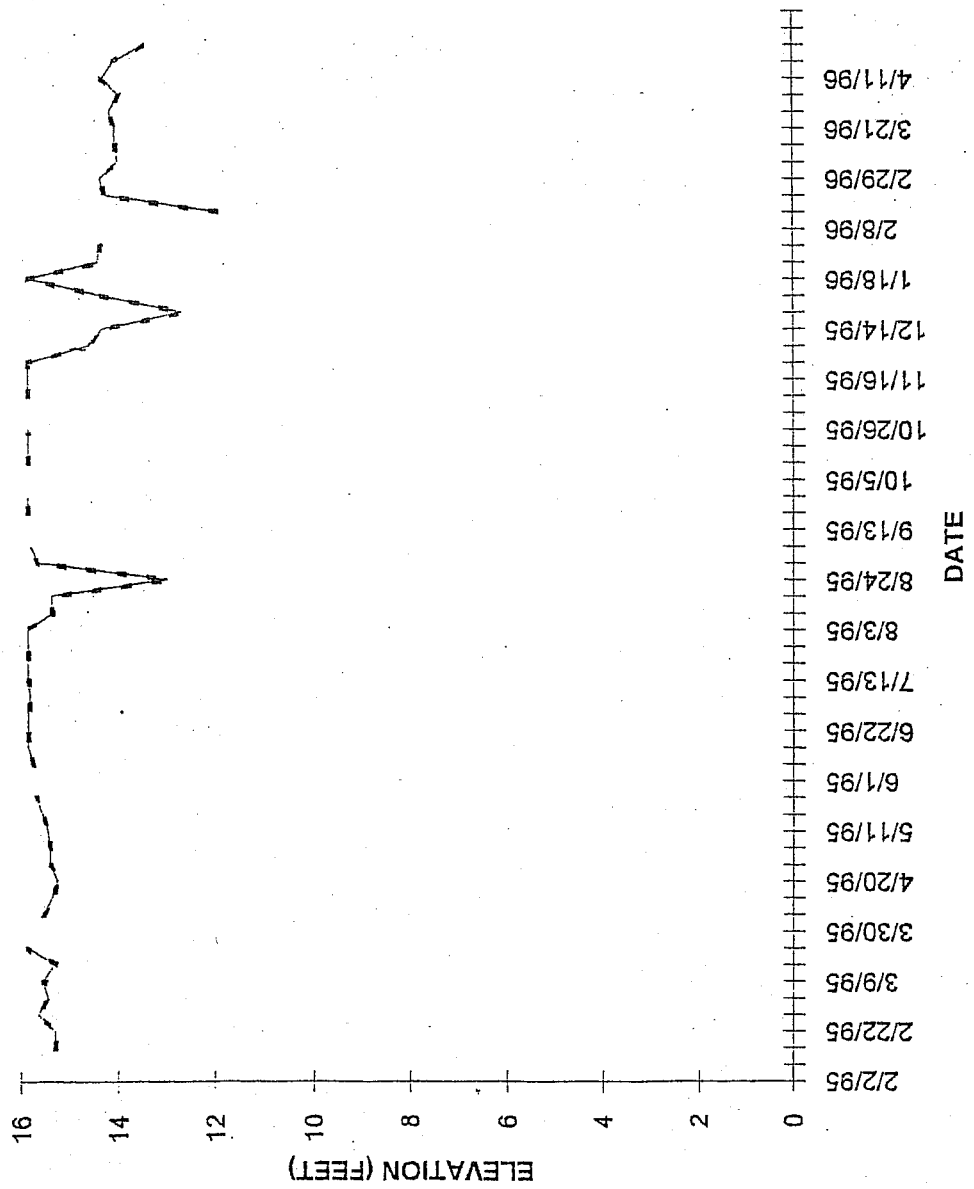


FIGURE 3: HYDROGRAPH

HYDROGRAPH FN-12



Groundwater Elev.
Product Elev.

FIGURE 4: FREE PHASE PRODUCT PLUME MAP

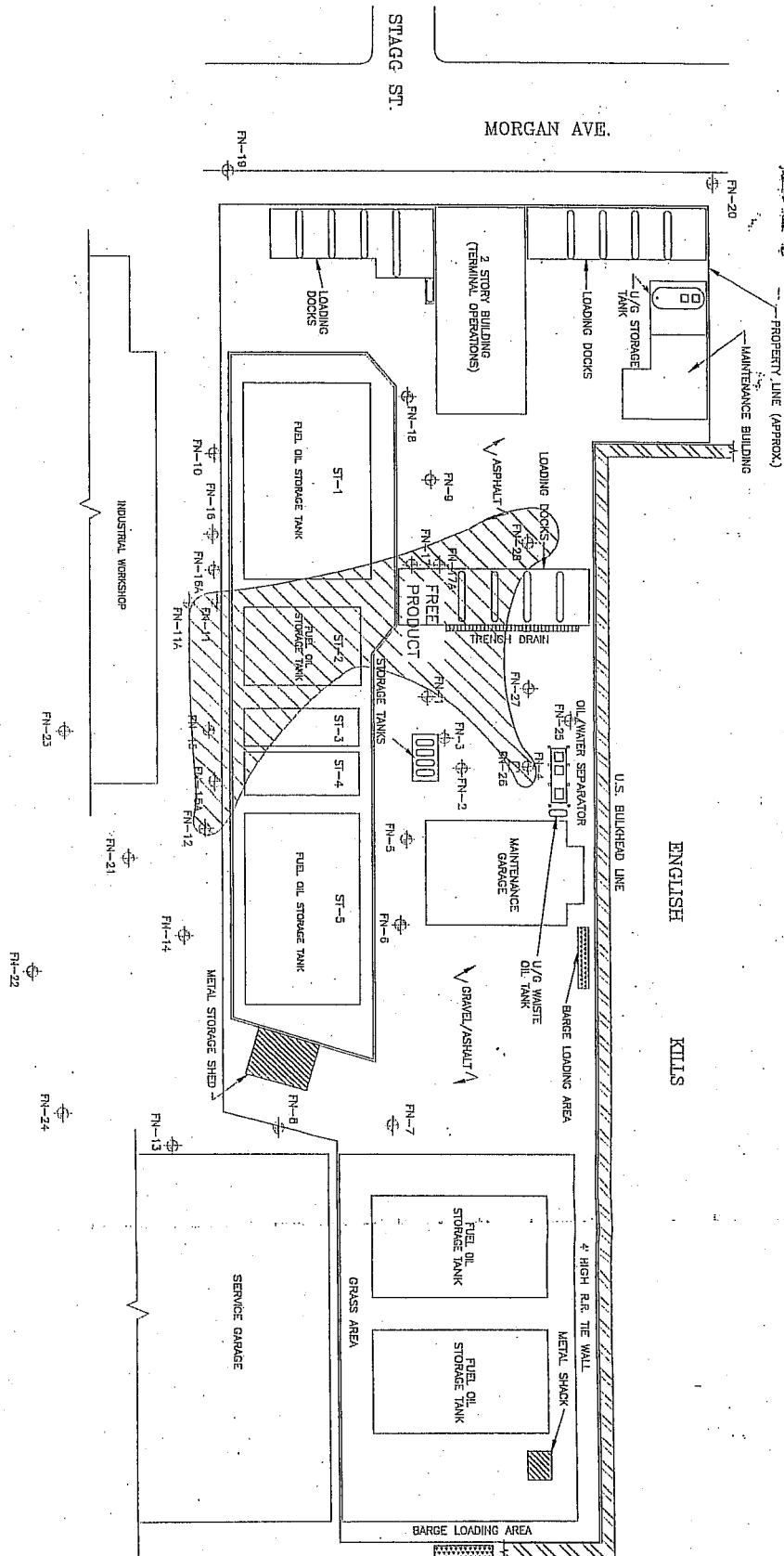
Fenley & Nicol
ENVIRONMENTAL SERVICES DIVISION
445 BROOK AVENUE, DEER PARK, NEW YORK 11729 (516) 588-4800

FREE PHASE PRODUCT PLUME MAP
Monitored On 4-24-96

JS 5-85

MORGAN TERMINAL
200 MORGAN AVENUE
BROOKLYN, N.Y. 11237

SCALE
(ft)
0 10 20 30 40



**Semi-Annual
Status Report Morgan Terminal
Brooklyn, New York**

Spill No. 92-09135

December, 1996

Prepared for:

New York State Department Of
Environmental Conservation II
222-34 96th Avenue
Queens Village, NY 11429

Attention:

Mr. Christopher Tomasello

Prepared by:

Fenley & Nicol Environmental
445 Brook Avenue
Deer Park, NY 11729

Project

Hydrogeologist:

Ghulam M. Abbasi

Date:

February 26, 1997

JOB # 10198



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FIGURES

1. Site Plan
2. Groundwater Gradient Map
3. Hydrograph
4. Free Product Plume Map

APPENDICES

- A. Well Logs
- B. Monitoring Data

1.0 INTRODUCTION

Fenley & Nicol Environmental (F&N) is engaged in the subsurface investigation and remediation of NYSDEC Spill Number 92-09135 at Morgan Terminal (herein after referred to as "the site"). The site is located between Morgan Avenue to the west and English Kills to the north in Brooklyn, New York. The site is an abandoned bulk oil terminal. This report summarizes the groundwater remediation efforts and free product recovery for the second half of 1996. A Site Plan is presented in **Figure 1**.

There are a total of 39 monitoring wells including six ejector wells on-site. The recovery system consists of six (6) total fluid ejector wells located in wells FN-11, FN-15, FN-16, FN-17, FN-26 and FN-28. The recovery system enclosure houses an air compressor for the ejector pump system. Contaminated ground water is pumped by ejectors to a 1000-gallon oil water separator and free product is diverted to a 550-gallon product holding tank. In order to assist remediation efforts, free product is pumped directly from affected wells by a vacuum truck on as needed basis. The effluent water is treated by an activated carbon system before it is discharged to the sewer system.

2.0 Work Performed

As per the existing contract, F & N is responsible for monitoring of site wells, verification of the recovery system operation, maintenance of recovery equipment and preparation of this semi-annual status report.

2.1 Groundwater Monitoring

The site is monitored on a bi-weekly basis and checked on a weekly basis by a F&N field technician. During these visits the remediation system is checked for proper operation. A sonic interface probe is used to measure depth to ground water and check for the presence of free product in all monitoring wells. If product is detected in wells, the depth to product is recorded and product is

bailed out of the wells. Results of this monitoring are reported to NYSDEC Region II on a monthly basis. Monitoring data for the last two quarters is presented in Appendix A. Ground water monitoring results are discussed in detail in section 3.0.

2.2 CHRONOLOGY OF WORK PERFORMED

In addition to the above mentioned services, the following work was performed by F&N during this period:

On July 23, 1996, Drilled and installed three (3) 2-inch monitoring wells. Two (2) wells were installed to 18 feet and one (1) was installed to 20 feet. The wells were gravel packed and bentonite sealed and split spoon samples were obtained at constant intervals.

On July 24, 1996, Jack-hammered and broke out two (2) areas and removed cobblestones. A 2 inch PVC well was installed to 18 feet and one (1) 4 inch PVC well to 20 feet. The wells were gravel packed and bentonite sealed. Four (4) split spoon samples were collected from the wells. Started developing wells.

On July 25, 1996, Drilled and installed one (1) 4 inch PVC well to 20 feet. The well was gravel packed and bentonite sealed. Three (3) split spoon samples were collected from the well. Continued developing wells.

On July 26, 1996, Drilled and installed one (1) 2 inch PVC well to 20 feet. The well was gravel packed and bentonite sealed. Continued developing wells. Used jack-hammer to prepare all new monitoring wells for manhole installation. Installed locking caps on new monitoring wells.

On July 29, 1996, Completed development of wells. Installed manholes with concrete pads. Reassembled fence.

On August 2, 1996, Drilled and installed one (1) 2 inch PVC well to 20 feet and another to 15 feet. The wells were gravel packed and bentonite sealed. Obtained six (6) split spoon samples from the wells.

On August 5, 1996, Set up equipment over wells. Surged and pumped two (2) new wells for development. Installed manholes with concrete pads.

On August 26, 1996, Jack-hammered and excavated for trenches. A PVC drainage pipe was installed at the base of the dike wall to deflect water away from the building next door. The pipe was sealed with cement. Began cleaning catch basin.

On August 27, 1996, Finished excavating the catch basin on the Morgan property. A line was found leaving the pit and running to the next catch basin and under the floor of the other building. Picked up four (4) 55 gallon drums of drill cuttings for proper disposal.

On August 28, 1996, Used a back-hoe to clear the back corner of the property in order to keep drains clear of debris. Started trenching with the back-hoe and in areas where concrete was found below the blacktop. A jackhammer was used as needed.

On August 29, 1996, Continued jack-hammering a large section of concrete in the trench. Continued excavation with back-hoe as needed.

On August 30, 1996, Continued excavating trench with back-hoe and jack-hammering as needed. Piped the discharge line along with the sleeve. Backfilled the trench.

On September 3, 1996, Continued excavating trench with back-hoe and jack-hammering as needed. Saw cut the existing steel along with the rod from the oil base.

On September 4, 1996, Continued excavating trench with back-hoe and jack-hammering as needed. The discharge line was piped and backfilled. Removed four (4) 55 gallon drums for disposal.

On September 5, 1996, The areas around the new wells were jack-hammered for the sub pits. Started setting the pits, stubbed all lines into pits and backfilled as needed. Started excavation for the installation of the 2 inch line.

On September 6, 1996, Finished jack-hammering the area for the pits. Excavated the area with a back-hoe and set the sub pits. Pulled the ejector hoses as needed.

On September 9, 1996, Finished setting forms around all the pits. Piped the pits with check valves, shut offs and everites.

On September 10, 1996, Used the back-hoe to spread blend in all trenches. Assembled three (3) ejectors along with all hoses. Cable units were installed in all wells.

On September 11, 1996, Adjustments were made to the new ejectors. Removed existing ejectors for repairs.

On September 12, 1996, Continued adjustments on new ejectors. The ejectors were disassembled and cleaned. The fittings and hoses were replaced as needed.

On September 13, 1996, Continued cleaning the ejectors. Debris was removed from the discharge hoses. Assembled and reinstalled the ejectors.

On September 16, 1996, Cement was poured around all sub pits. Raked blend in trenches.

On September 17, 1996, Pump was used to remove oil from inside of oil/water separator. Each compartment was pumped along with all the site wells. Adjustments were made to the firing timers.

On September 23, 1996, All site wells with product were bailed. The dump tank and all other equipment was steam cleaned.

On September 24, 1996, Air compressor oil was changed. Checked firing timers on ejectors.

On October 18, 1996, The air compressor was found off. The motor was checked and secured. Removed the insulation from the two (2) water holding tanks and replaced with new.

On October 21, 1996, Finished wrapping lines with insulation. Repairs were made to the chain link fence on the property.

On December 20, 1996, The system was found off. The problem was traced to the air compressor belt and necessary changes were made. Checked for proper amperage.

3.0 Discussion Of Data

3.1 Groundwater Gradient Map

Using the data obtained on November 21, 1996, a groundwater gradient map was prepared (**Figure 2**). The map has a contour interval of 0.5 feet. Based on monitoring data for all site wells including seven new monitoring wells, the map shows groundwater is modified in the area of the above-ground storage tanks ST-3, 4, and 5 due to the presence of ejectors. Groundwater flow is directed toward English Kills and Morgan Avenue. A cone of depression is evident in the area of well FN-28A. This well is located in the vicinity of ejector well FN-28.

3.2 Hydrograph

The hydrograph was prepared for well FN-9 from the data obtained during this period. Groundwater elevations fluctuated from a high of 12.85 feet to a low of 11.51 feet. The average groundwater elevation for this period is 12.1 feet. The greatest fluctuations occurred during the last quarter of this monitoring period. The fluctuations reflect the site specific conditions with natural cycles of precipitation. However, there may be an effect of tidal influence.

3.3 Free Product Recovery

Product thickness varied greatly throughout this monitoring period. Thickness ranged from trace to 5.67 feet. Free product was detected in a total of 12 wells. Wells FN-4, FN-11A, FN-12, FN-15A, FN-17, FN-17A, FN-28, FN-28A, FN-31A, FN-32, FN-33, and FN-34 were detected with free product. Well FN-4 contained only trace to film of product during the five monitoring periods between July and September of 1996. Thickness of product ranged from film to 2.64 feet in FN-11A during the period from October to December, 1996. A trace to film of product was detected in well FN-12 throughout the monitoring period between July and October of 1996. Free product appeared in wells FN-15, FN-17, and FN-17A during November and December of this monitoring period. The

thickness of free product for these wells varied from film and trace to 0.43 feet with higher thicknesses of 1.86 feet to 2.27 feet in FN-15.

Monitoring well FN-28A, installed in July, 1996, was detected with free product in August and September, 1996. Wells FN-30A, FN-31A, FN-32, FN-33, FN-34, installed between July to August of 1996, were all detected with free product starting from the end of October. Throughout November free product was detected in wells FN-28A, FN-31A, FN-32, FN-33, and FN-34. The thickness of product in these wells ranged from 0.09 feet to 2.56 feet. The thickness of product could be effected by the tidal influence on site.

A free product plume map was generated using monitoring data from November 7th (**Figure 4**). Three separate plumes exist for this period. The plumes trend in a northwesterly pattern from FN-15A to FN-33. The plumes encompass the areas around tanks ST-3 and ST-4, well FN-28A located in the vicinity of the trench drain, and the underground storage tanks in the northwest corner of the site.

4.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the work performed during the period covered by this report and the previously discussed laboratory data, F&N concludes the following:

- Free product was detected in a total of twelve wells during this period. At the end of this period, free product was present in wells FN-11A, FN-15A, FN-17, FN-17A, FN-31A, FN-32, FN-33, and FN-34. The thickness of product exceeded one foot in wells FN-11A, FN-15A, FN-28, FN-28A, FN-31, and FN-34. In addition, FN-2, FN-17, and FN-17A were detected with increased product thickness as compared to previously detected trace to film of product.
- The free product plume map indicates two separate plumes. A plume continues to exists in the vicinity of the above ground storage tanks ST-3 and ST-4. Another plume exists in the northwest corner of the property. However, these plumes may be connected.
- A total of 435.25 gallons of free product has been recovered from the site.

- Hydrograph for well FN-9 indicated normal fluctuation in water table elevation.

Based on the above conclusions, F&N recommends the following:

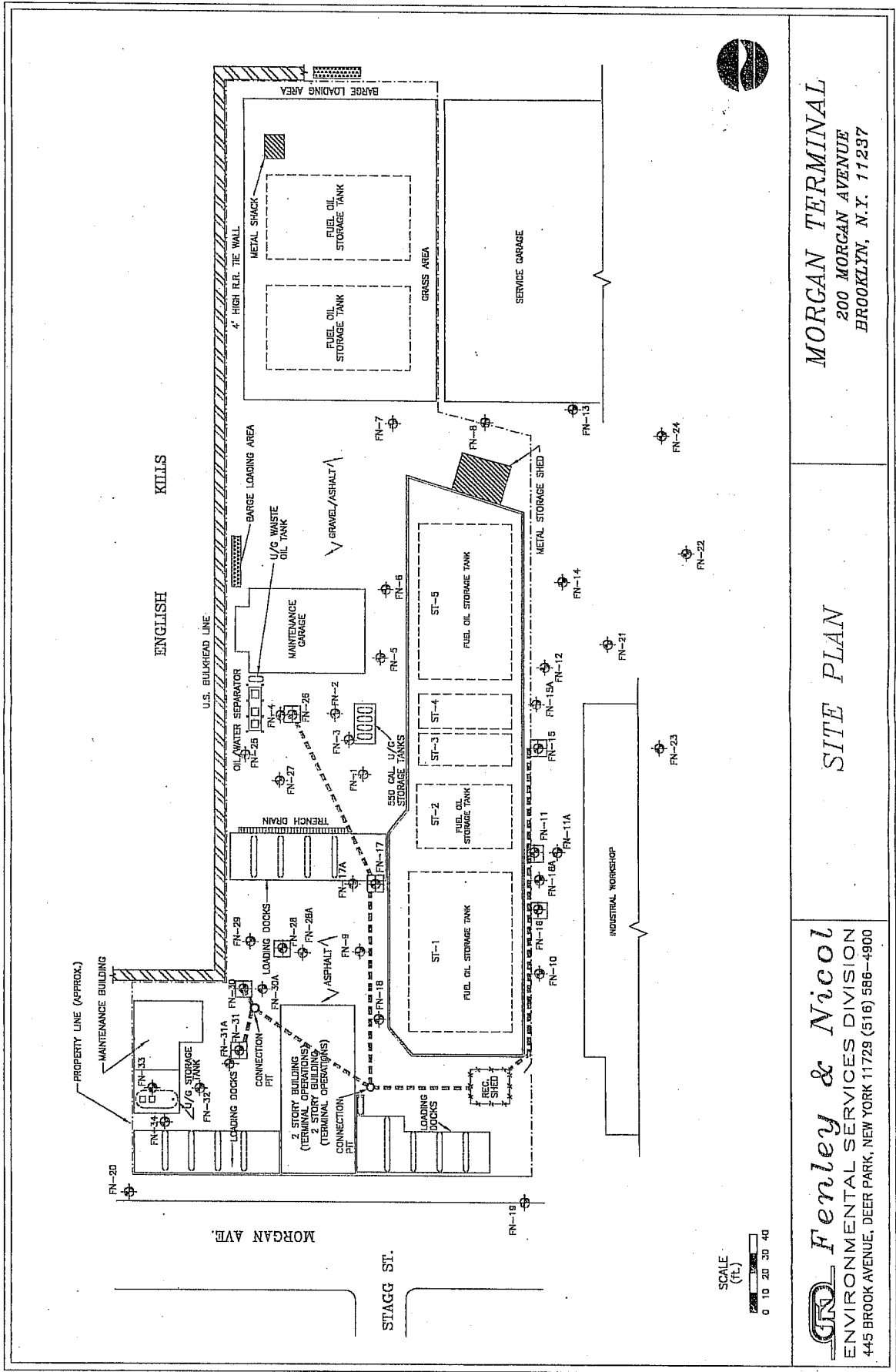
Current schedule of monitoring and free product recovery should continue.

As per NYSDEC approval, an ejector should be installed in well FN-1 and it should be manifolded with the existing trench system.

There are two options to remediate the existing free product plume on site:

1. F&N is currently in the process of soliciting bids from five companies for installation of a horizontal well on site to remediate the free product plume beneath the above ground storage tanks.
2. Based on site geology with tight soils and clays to peat layers, it is suggested that **enhanced fluid recovery (EFR) pilot test** should be conducted to determine the effectiveness of EFR. If the results of the test are favorable, EFR should be used on site to recover free phase and vapor phase. By using this vacuum enhanced recovery system, the amount of product can be reduced within a short period of time. Once the free product is eliminated, a future plan can be implemented to achieve site closure.

FIGURE 1. Site Plan



Fenley & Nicol
 ENVIRONMENTAL SERVICES DIVISION
 445 BROOK AVENUE, DEER PARK, NEW YORK 11729 (516) 586-4900

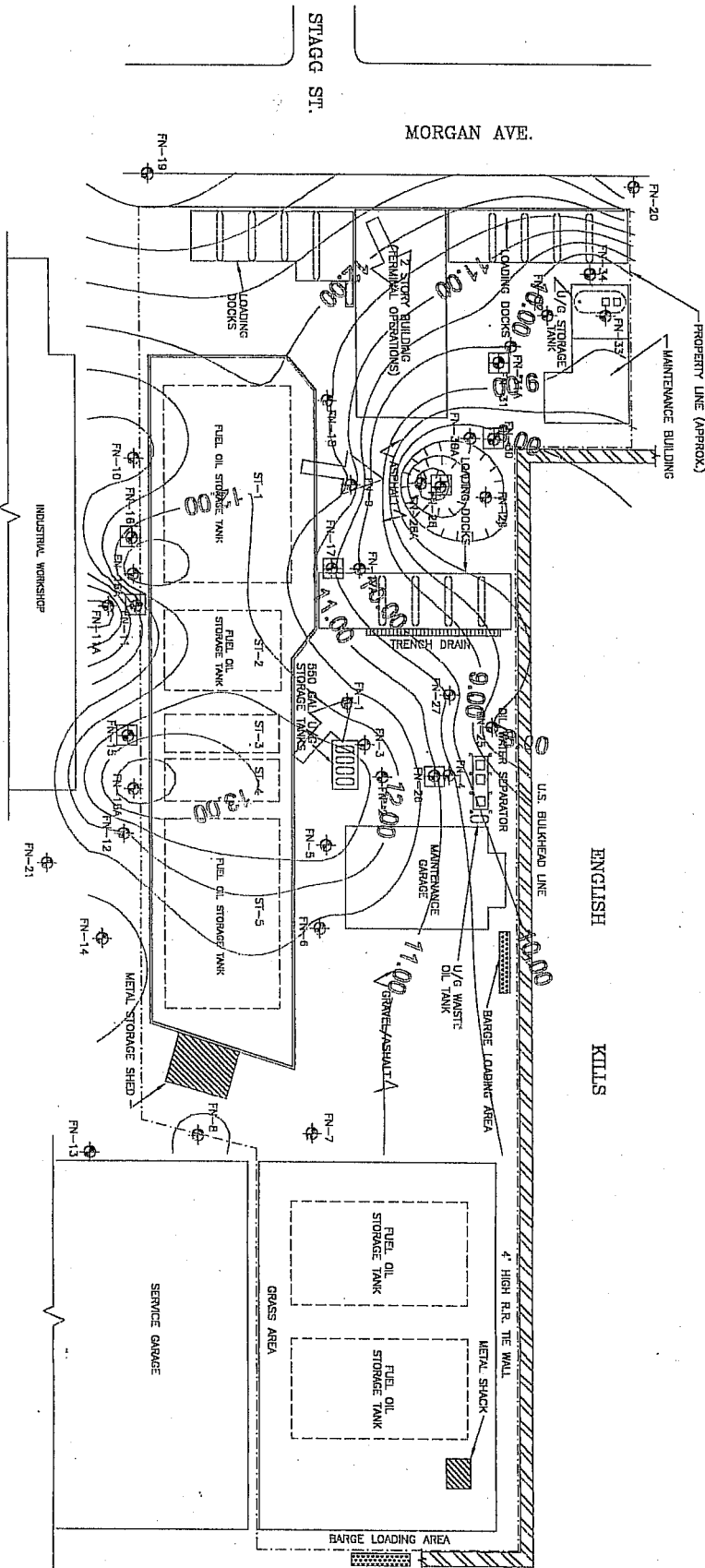
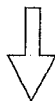
SITE PLAN

MORGAN TERMINAL
 200 MORGAN AVENUE
 BROOKLYN, N.Y. 11237

FIGURE 2. Groundwater Gradient Map

SCALE
(ft.)
0 10 20 30 40

ARROW SHOWING APPROX.
GROUNDWATER FLOW DIRECTION



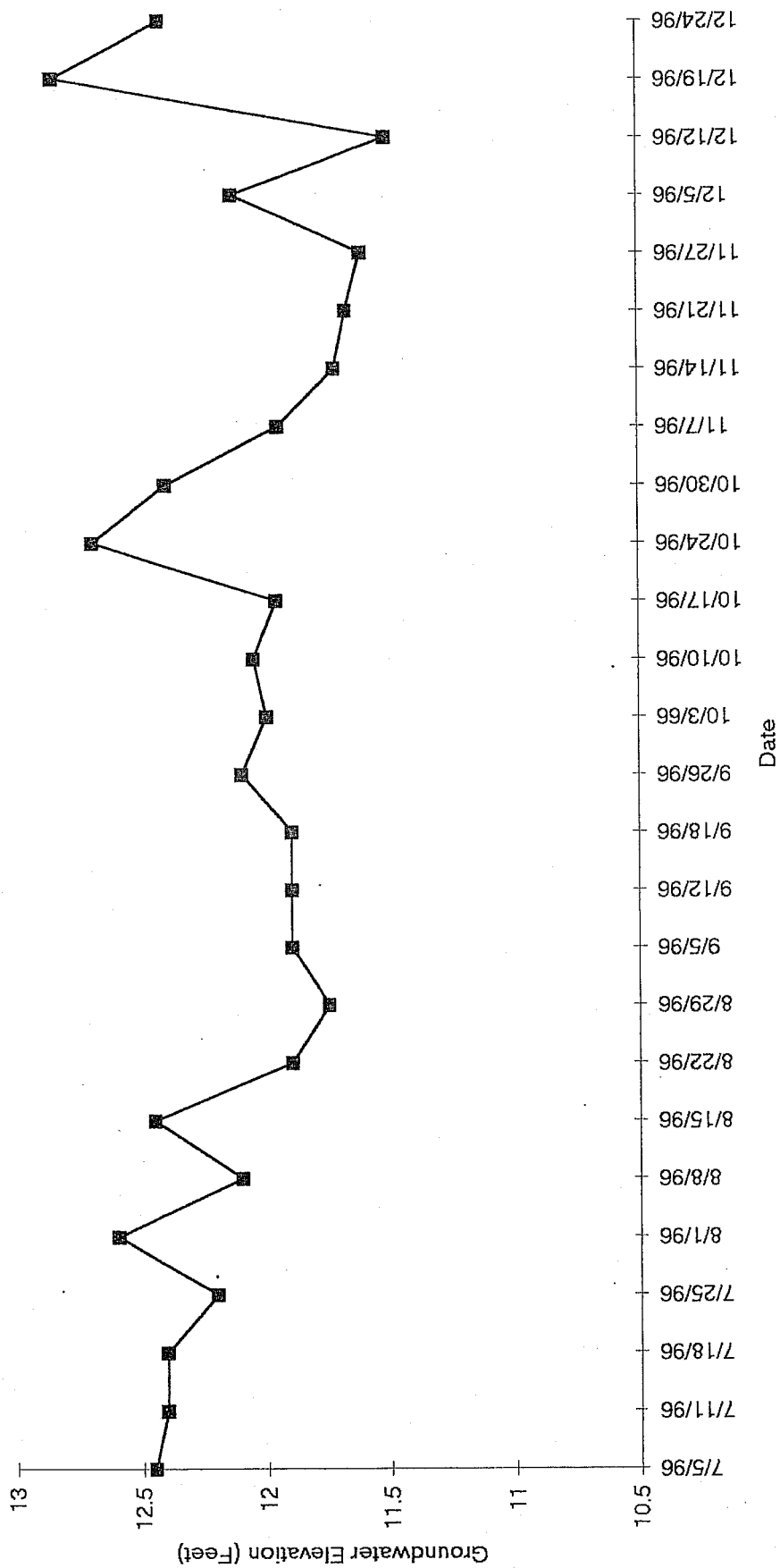
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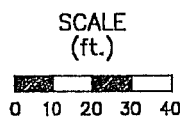
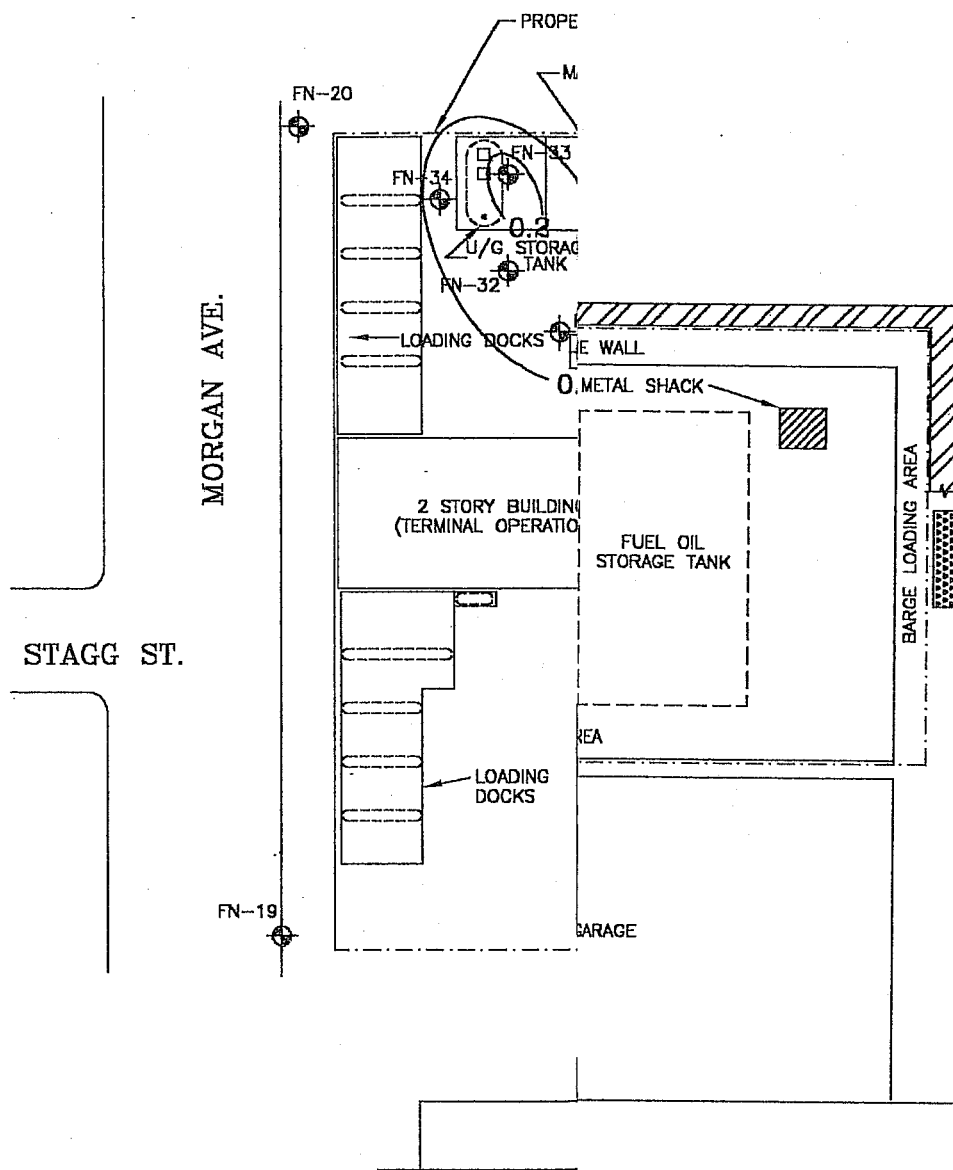
GROUNDWATER GRADIENT MAP
Monitored On November 21, 1996

MORGAN TERMINAL
200 MORGAN AVENUE
BROOKLYN, N.Y. 11237

FIGURE 3. Hydrograph

Hydrograph of FN-9





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 445 BROOK AVENUE, DEER PARK, NEW YORK 11735
 445 BROOK AVENUE, DEER PARK, NEW YORK 11735



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FAX (516) 586-4920

Status Report

Morgan Oil Terminal

200 ~~500~~ Morgan Avenue
Brooklyn, NY

July 1998-March 1999

Prepared For:

NYSDEC Region II
3020 Thomson Avenue
Long Island City, New York 11101
ATTN: Mr. Chris Tomasello

Prepared By:

Fenley and Nicol Environmental, Inc.
445 Brook Avenue
Deer Park, New York 11729

Project Geologist:

David Lorthioir

Prepared On:

August 14, 1999

Spill #92-09135

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Appendices

- A. *Groundwater Monitoring Reports*

1.0 INTRODUCTION

The New York State Department of Environmental Conservation (NYSDEC) Region II has contracted Fenley & Nicol Environmental (F&N) to conduct the subsurface investigation and remediation of Morgan Terminal (hereinafter referred to as the site) located on Morgan Avenue, Brooklyn, New York. This report summarizes the groundwater remediation efforts and free product recovery for the period of July 1998 to March, 1999.

The site is located at 500 Morgan Avenue. The English Kills is located adjacent to the northern property boundary. This site is an abandoned bulk oil terminal and consists of a two story terminal operations building, located along Morgan Avenue, and a maintenance building along the English Kills, five bulk fuel oil storage tanks behind a retaining wall, and several underground storage tanks, which had contained both # 6 fuel oil and diesel fuel .

Figure 1 is provided as a Site Plan.

There are a total of forty seven monitoring and recovery wells on-site, including ten ejector wells. The recovery system consists of total fluid ejectors in wells FN-1, FN-11, FN-15, FN-16, FN-17, FN-26, FN-28, FN-30, FN-31, and FN-37. The recovery system enclosure houses an air compressor for the ejector pump system. Contaminated ground water is pumped to a 1000-gallon oil/water separator. Free product removed by the separator is then diverted to a 550-gallon product holding tank. In order to further assist remediation efforts, free product is also pumped on an as needed basis directly from affected wells by a vacuum truck. The effluent water from the oil/water separator is treated by an activated carbon system before it is discharged to the sewer system.

1.1 Responsible Party Investigation

A title search to determine ownership of the site was conducted through the Borough of Brooklyn Clerks Office at the Brooklyn Borough Hall, Brooklyn, N.Y.. The results of this search identified Morgan Oil Terminals Corporation to be the current owner of the site at 200 Morgan Avenue Brooklyn, N.Y. Based on ground water gradient maps, historical ground water monitoring observations, sampling results and subsurface

investigations, it is F & N's conclusion that the contamination at the site directly results from the site's utilization as a petroleum bulk storage facility. Therefore, the current owner of Morgan Terminal, Morgan Oil Terminals Corporation, is the responsible party.

2.0 WORK PERFORMED

As per the existing contract, F&N is responsible for monitoring the site wells, verification of the recovery system operation, maintenance of the recovery equipment and the preparation of this semi-annual status report. This section of the report will discuss work performed at the site for the period between July 1998 to March 1999.

2.1 Groundwater Monitoring

The site is visited on a bi-weekly basis by an F&N field technician who monitors all the monitoring wells, except those containing ejectors, with a sonic interface probe. Measurements of depth to water, depth to product and product thickness are recorded. Any monitoring well that is found to contain product is manually bailed to remove the product. The results of these monitoring visits are reported to the NYSDEC Region II office on a monthly basis. The condition of the recovery system is also checked at this time to ensure proper operation of the remediation equipment.

Appendix A provides the groundwater monitoring reports

2.2 Remediation System Maintenance

During the period covered by this report, work performed on the remediation system consisted mostly of general maintenance of the recovery equipment and minor repairs as needed. The following is a summary of the work performed during this report period.

January 1999	Repaired broken water drain on compressor. Pressure washed ejectors and checked for proper operation.
March	Maintained ejectors. Redeveloped wells. Pumped and surged on wells.

3.0 ANALYTICAL DISCUSSION

3.1 Groundwater Gradient Map

The groundwater monitoring data collected on March 17, 1999 was utilized to generate a Groundwater Gradient Map. The contour interval for the ground water gradient map is one foot. Groundwater elevations from a total of 19 wells on the site were utilized to create the map. The remaining wells were excluded due to the presence of total fluid ejectors or the lack of monitoring information for this time period.

In general, groundwater flow in the vicinity of the site flows towards the English Kills. However, as indicated by the map, groundwater flow at the site radiates outward from the bulk storage tanks. This results in groundwater along the southern portion of the site to flow south, away from the English Kills. The bulk storage tanks appear to be producing a local groundwater elevation high spot in this area that does not appear to be associated with the general groundwater flow direction. This anomalous behavior could be the result of the tanks themselves. The tanks are located within restraining walls, and are covered by topsoil which may be capturing incoming water and allowing the water to recharge the groundwater table. The rest of the site is covered with asphalt. Additionally, the foundations of the tanks are in water and are probably influencing the water table.

It should be noted that the site has been excavated for construction and the soils beneath the site are no longer homogeneous. There may be clay or silt lenses in the soil that may be influencing the groundwater. Also, groundwater at the site may be tidally influenced.

Figure 2 is provided as a Groundwater Gradient Map.

3.2 Product Thickness

During this report period, free floating product was detected in wells FN-4, FN-11A, FN-15A, FN-17A, FN-28A, FN-32, FN-33, FN-34 and FN-40. It should be noted at this time that product thickness in several wells has not been determined due to the thick viscosity of the product in several areas of the site. The thick viscosity of the oil does

not allow an interface probe to function properly and causes many false readings. This is especially true of the product present in the northwest corner of the site (FN-32, FN-33 and FN-34) and the product plume in the area of FN-17A. Therefore, wells in these areas are monitored for the presence of product but, unless the product thickness is only a trace or thin layer, a product thickness and depth to water are not investigated.

Given the above information, data from the wells with determined product thicknesses was tabulated and is presented as Table 1. The wells with undetermined product thicknesses, FN-17A, FN-33 and FN-34, were not included in Table 1.

TABLE 1

Date	Floating Product Thickness					FN-32	FN-40
	FN-4	FN-11A	FN-15A	FN-28A			
7/8/98	T	T	0.7	2.17		T	NM
7/23/98	T	T	0.68	2.19		T	NM
8/6/98	T	T	0.66	2.18		T	NM
8/20/98	T	T	0.67	2.09		NM	NM
9/2/98	T	T	0.56	1.38		NM	NM
9/17/98	T	T	0.66	1.74		NM	NM
10/1/98	NM	T	0.52	1.72		NM	NM
10/15/98	T	T	0.9	1.93		NM	NM
10/30/98	T	T	0.74	1.71		NM	NM
11/25/98	NM	T	0.71	0.44		T	T
12/10/98	NM	T	0.75	1.29		T	T
12/24/98	NM	T	0.21	0.07		T	T
1/7/99	NM	T	0.31	0.53		T	T
1/21/99	NM	T	0.29	0.63		T	T
2/4/99	NM	T	0.65	0.89		T	T
2/18/99	NM	T	0.53	0.47		T	T
3/4/99	NM	T	0.25	0.41		T	NM
3/17/99	NM	T	0.46	0.74		T	NM

T=Trace NM=Not Monitored All units in feet

A review of Table 1 indicated that wells FN-15A and FN-28A both showed significantly elevated levels of product for this period. Well FN-28A exhibited a large fluctuation in product thickness ranging from 0.41 feet to 2.19 feet. FN-15A also exhibited fluctuations in the product thickness ranging from 0.21 feet to 0.75 feet during this period.

3.3 Product Thickness Map

A product thickness map was generated from the monitoring data collected on March 17, 1999. A review of this map indicates that there appears to be three separate plumes at the site. The first plume consists of #6 fuel oil and originated from the underground storage tank located in the northwest portion of the property. It appears to be migrating from northwest to southeast.

The second plume is located between the Terminal Operations Building and the loading docks. This plume is oriented on a southeast to northwest axis and is defined by wells FN-17A and FN-28A. The product contained in this plume appears to be a mixture of various fuel oils, and has a thick viscosity.

The third plume is located to the south of the bulk storage tanks underneath the parking lot adjacent to the neighboring industrial workshop. This plume is centered around well FN-15A. Historically, this plume has also encompassed well FN-11A. However, this well has only exhibited trace amounts of product during this report period. The petroleum associated with this plume appears to be a mixture of #2 fuel oil and #4 fuel oil.

The second and third plumes both appear to originate from the bulk storage tanks. These two plumes could actually be one large plume. However, the difference in the viscosity of the two plumes indicates that there is probably more than one source of petroleum involved.

Figure 3 is provided as a Product Thickness Map.

4.0 CONCLUSIONS

Based on the previous discussion, F&N concludes the following:

Groundwater flow is primarily northward towards the English Kills. However, groundwater near the five bulk storage tanks appears to radiate out from the tanks. Therefore, groundwater flow direction south of the tanks is to the south, opposite of the general trend. The presence of the tanks may be causing a groundwater elevation high spot and may be influencing this anomalous flow.

There are three plumes of free-floating product at the site. The first plume contains #6 fuel oil and is located in the northwest portion of the site. The plume appears to be migrating from northwest to southeast. The second plume contains a mixture of various fuel oils and is oriented on a southeast to northwest axis. The third plume is located to the south of the bulk storage tanks beneath the parking lot bordering the neighboring industrial workshop. The third plume is elongated in an east-west fashion and is centered around well FN-15A. This plume appears to have originated from the bulk storage tanks.

The viscosity of the product in two of the plumes has prevented accurate product thicknesses from being obtained. The product plume map has been generated showing the presence of oil in the area of these two plumes, but not the thickness.

5.0 RECOMMENDATIONS

Based on the above conclusions, F & N recommends the following actions:

- 1) An investigation regarding the use of a surfactant, such as biosolve, should be performed. The surfactant will be utilized in conjunction with a vacuum truck in an effort to increase product recovery. Should the experiment prove successful, the surfactant may possibly be utilized in conjunction with the current remediation system.

1999

**STATUS REPORT
MORGAN OIL TERMINAL**

**Morgan Avenue
Brooklyn, New York**

PIN: 92402

Spill # 92-09135



**Fenley & Nicol
Environmental Inc.**

"Solutions at Work"®



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**STATUS REPORT
MORGAN OIL TERMINAL**

**Morgan Avenue
Brooklyn, New York**

PIN: 92402

Spill # 92-09135

Prepared For: New York State Department of Environmental
Conservation Region II
222-34 96th Avenue
Queens, NY 11429

Attention: Mr. Christopher Tomasello

Prepared By: Fenley & Nicol Environmental, Inc.
445 Brook Avenue
Deer Park, NY 11729

Project Geologist: David Lorthioir

Date Prepared: March 2, 1999

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APPENDICES

- A. Groundwater Monitoring Reports

1.0 INTRODUCTION

The New York State Department of Environmental Conservation (NYSDEC) Region II has contracted Fenley & Nicol Environmental (F&N) to conduct the subsurface investigation and remediation of Morgan Terminal (hereinafter referred to as the site) located on Morgan Avenue, Brooklyn, New York. This report summarizes the groundwater remediation efforts and free product recovery for the period of January to June, 1998.

The site is located between Morgan Avenue to the west and English Kills to the north in Brooklyn, New York. This site is an abandoned bulk oil terminal and consists of a two story terminal operations building, located along Morgan Avenue, and a maintenance building along the English Kills, five bulk fuel oil storage tanks behind a retaining wall, and several underground storage tanks, which had contained both # 6 fuel oil and diesel fuel .

A site plan is provided as Figure 1.

There are a total of forty five monitoring and recovery wells on-site, including ten ejector wells. The recovery system consists of total fluid ejectors in wells FN-1, FN-11, FN-15, FN-16, FN-17, FN-26, FN-28, FN-31, and FN-37. The recovery system enclosure houses an air compressor for the ejector pump system. Contaminated ground water is pumped by ejectors to a 1000-gallon oil/water separator. Free product is diverted to a 550-gallon product holding tank. In order to assist remediation efforts, free product is also pumped directly from affected wells by a vacuum truck on an as needed basis. The effluent water is treated by an activated carbon system before it is discharged to the sewer system.

2.0 WORK PERFORMED

As per the existing contract, F&N is responsible for monitoring the site wells, verification of the recovery system operation, maintenance of the recovery equipment and the preparation of this semi-annual status report.

2.1 Groundwater Monitoring

The site is visited on a monthly basis by an F&N field technician in accordance with the existing contract. The site wells are checked for both depth to water and the presence of free product.

The condition of the recovery system is also checked at this time to ensure the proper operation of the remediation equipment.

At the close of each month a monitoring report is forwarded to the NYSDEC Region II office located in Queens Village, NY.

Copies of these monitoring reports are contained in **Appendix A**.

2.2 Remediation System Maintenance

During the period covered by this report, work performed on the remediation system consisted of temporary modifications, general maintenance of the recovery equipment and minor repairs as needed. The following is a summary of the work performed during this report period.

January	Reinforced bulkhead on English Kills. Jackhammered one area to prevent cars from entering the site. Pumped out oil/water separator. Repaired fence, Maintained dump tanks. Maintained ejectors.
March	Trenched site to install new piping to ejectors. Installed new piping. Maintained air compressor.
April	Continued trenching and installing piping. Serviced and cleaned ejectors. Maintained ejectors Installed 4 inch well. Maintained effluent line.

2.3 Responsible Party Investigation

At the request of the NYSDEC, a title search to determine ownership of the site was conducted through the Borough of Brooklyn Clerks Office at the Brooklyn Borough Hall, Brooklyn, NY. The title records from 1982-1997 are computerized, whereas the title records prior to 1982 are located in log books accessible to the public. A review of these records identified the site to be 200 Morgan Avenue, Brooklyn, NY, Block 2942, Lot 101. The current owner is listed as Morgan Oil Terminals Corporation.

Prior investigation by F&N indicates that the former oil terminal is the responsible party.

2.4 File Search

A file search was conducted at the Fire Department of New York's headquarters located at 9 MetroTech Plaza, Brooklyn, NY. The files were searched for any records or maps of bulk storage tanks that may be kept at the Fire Department headquarters.

No maps were found in the files kept at the Fire Department headquarters. However, it was discovered that several violations were issued for the site. Most were in regard to the lack of a person holding a Certificate of Fitness being on site.

2.5 Bioremediation

In an effort to increase the efficiency of the ejectors, an investigation into utilizing bacteria to reduce the viscosity of the free floating product was conducted. A composite sample of the # 6 and # 4 fuel oil present in the wells was sent to Micro-Bac International for analysis. In a recent telephone conversation with Micro-Bac, it was determined that their viscosity reducing products, Para-Bac and Corroso-Bac, were ineffective on the sample submitted. Test results on other products are still pending at this time.

2.6 Well Installation

A monitoring well, designated as well FN-33A, was installed on April 17, 1998 in the vicinity of existing well FN-33. This well was designed to be utilized as a monitoring well after an ejector would be installed in well FN-33. The four inch well was installed utilizing a hollow stem auger drilling to a depth of 23 feet, with water being encountered at 10 feet. The first 8 inches consisted of concrete grading into black and gray silty sand with some granules. No odor of petroleum was detected. This soil type continued to 10 feet. At 10 feet, the soil was similar to the first 10 feet, however the soil was wet. At 12 feet there was a change in color to gray, wet sandy silt with a trace of clay. No odor of petroleum was detected. The boring continued to 17 feet. At this depth, wet, runny sandy silt with a strong odor of petroleum and oil sheen was encountered. At 18 feet, more clay containing possible bog material with a strong odor of petroleum was encountered. The boring ended at twenty three feet.

3.0 ANALYTICAL DISCUSSION

3.1 Groundwater Gradient Map

A groundwater gradient map was generated from the groundwater monitoring data collected on June 25, 1998. The map has a contour interval of 1 foot. As indicated by the map, the general groundwater flow direction at the site is towards the English Kills. However, there appears to be a cone of depression surrounding well FN-28. There is an ejector in this well, which may be the cause of the depression.

The map also indicates that groundwater flows radially outward from the storage tanks. This results in groundwater along the southern portion of the site to flow south, away from the English Kills. The tanks appear to be producing a local groundwater elevation high spot in this area, that does not appear to be associated with the general groundwater flow direction. This anomalous behaviour could be the result of the tanks themselves. The tanks are located within restraining walls, and are covered by topsoil which may be capturing incoming water and allowing the water to recharge the groundwater table. The rest of the site is covered with asphalt. Additionally, the foundations of the tanks are in water, and are probably influencing the water table.

It should be noted that the site has been excavated for construction and the soils beneath the site are no longer homogeneous. There may also be clay or silt lenses in the soil that may be influencing the groundwater. Also, groundwater at the site may be tidally influenced to a small extent.

The groundwater gradient map is provided as **Figure 2**.

3.2 Product Thickness

Product was detected in wells FN-4, FN-11A, FN-15A, FN-17A, FN-28A, FN-32, and FN-36. The data is contained in Table 1 below.

As indicated from the table below, Wells FN-15A and FN-28A both showed significantly elevated levels of product for this period. Well FN-15A exhibited a large fluctuation in product thickness ranging from a trace to 1.2 feet. FN-28A also exhibited fluctuations in the product thickness ranging from 0.89 feet to 2.23 feet during this period. Both of these wells are located in the area of the bulk storage tanks on the southern edge of the site. Well FN-28A exhibited a high level of product (2.23 feet) on June 11, 1998.

TABLE 1
Floating Product Thickness

Date	FN-4	FN-11A	FN-15A	FN-28A	FN-32	FN-34	FN-36
1/8/98	0	T	0.78	1.40	T	0.04	0.24
1/22/98	0	0.79	T	1.45	T	0.02	0.08
2/5/98	0	T	0.79	1.41	T	0.03	NM
2/19/98	0	T	0.79	0.89	T	0.05	0.18
3/5/98	0	T	0.89	1.40	T	0.02	0.27
3/19/98	0	T	0.77	1.37	T	0.02	0.25
4/19/98	0	T	1.20	1.08	T	NM	0.26
4/17/98	0	T	0.77	1.33	T	T	NM
5/14/98	T	T	0.77	1.17	T	NM	NM
5/29/98	T	T	0.80	1.14	T	NM	NM
6/11/98	T	T	0.68	2.23	0	NM	NM
6/25/98	T	T	0.70	1.95	0	NM	NM

all units in feet

3.3 Product Thickness Map

A product thickness map was generated from the monitoring data collected on June 25, 1998. A review of this map indicates that there are three separate plumes at the site. The first plume consists of #6 fuel oil and originated from the underground storage tank located in the northwest portion of the property in the vicinity of well FN-4A. It appears to be remaining in the vicinity of this well. Well FN-4A contained only a trace of product in this report period since May, 1998. Well FN-4 contains an ejector and may be influencing the product level in well FN-4A.

The second plume is located between the Terminal Operations Building and the loading docks. This plume is oriented on a southeast to northwest axis. The product contained in this plume appears to be a mixture of various fuel oils. Well FN-28A is included in this plume and contained 1.95 feet of product as of June 25, 1998.

The third plume is located to the south of the bulk storage tanks underneath the parking lot adjacent to the neighboring industrial workshop. This plume has an east to west axis and is defined by wells FN-11A and FN-15A. These wells each contain a trace and 0.70 feet of product, respectively. This plume appears to have originated from the bulk storage tanks.

In previous product thickness maps, there was a plume located in the northwest corner of the site in the vicinity of well FN-33. This plume was not present this report period and may in fact still exist. However, due to the lack of monitoring data for the wells in this area, it is unclear if this plume does in fact exist. The product thickness map generated for the report period ending in December, 1997 did not show a plume located in the vicinity of well FN-4A, in fact, there has not been a plume of product located in that area since 1995. The reappearance of the product is probably due to the presence of the ejector in FN-4 pulling product from the adjacent wells. Another possibility is a lense of product has escaped from beneath the tanks.

4.0 CONCLUSIONS

Based on the previous discussion, F&N concludes the following:

Groundwater flow is primarily northward towards the English Kills. However, groundwater near the southern portion of the site bulk storage tanks appears to flow to the south, opposite of the general trend. The presence of the tanks may be causing a groundwater elevation high spot and may be influencing this anomalous flow.

There are three plumes of free-floating product at the site. The first plume contains #6 fuel oil and is located in the vicinity of well FN-4A. The plume appears to be remaining in the area of FN-4A. The second plume contains a mixture of various fuel oils and is oriented on a southeast to northwest axis. The second plume contained the largest amount of product. This plume includes well FN-28A (1.95 feet). The third plume is located to the south of the bulk storage tanks beneath the parking lot bordering the neighboring industrial workshop. The third plume is elongated in an east-west fashion and is defined by wells FN-11A and FN-15A. This plume appears to have originated from the bulk storage tanks.

A monitoring well was installed on April 17, 1998 in the vicinity of existing well FN-33. The four inch well was installed utilizing a hollow stem auger and extended to a depth of 23 feet. Water was encountered at 10 feet. No odor of petroleum was detected in the well. This well is designated FN-33A.

Bioremediation was investigated and the effectiveness of two viscosity reducing products manufactured by MicroBac International, Inc. were found to be ineffective on the #6 and #4 fuel oils. Investigation into different methods of bioremediation are being continued.

5.0 RECOMMENDATIONS

Based on the above conclusions, F & N recommends the following actions:

- 1) Continue to investigate viscosity reducing products which will allow the fuel oil in the ground to flow towards the ejectors in place.



MILLER ENVIRONMENTAL GROUP INC.

Morgan Terminal
200 Morgan Avenue
Brooklyn, New York
NYSDEC Spill # 92-09135

Site Status Monitoring Report
July 2002-November 2002

Prepared For:
NYSDEC Region II
Hunters Point Plaza
47-40 21st Street, Spills Unit
Long Island City, New York 11101

Prepared By:
Miller Environmental Group, Inc.
538 Edwards Avenue
Calverton, New York 11933

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NYS DEC REGION 2
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1.0 Background

The New York State Department of Environmental Conservation (NYSDEC) has contracted Miller Environmental Group, Inc. (MEG) to conduct groundwater remediation activities at Morgan Terminal, 200 Morgan Avenue, Brooklyn, New York, hereinafter known as the site. The site is an abandoned bulk oil terminal and consists of a two story terminal operations building and maintenance building, five bulk fuel oil storage tanks behind a retaining wall and several underground storage tanks (UST) that had previously contained number six fuel oil and diesel fuel. Morgan Avenue borders the property to the west with English Kills bordering to the north. NYSDEC contractor Fenely and Nicol Environmental, Inc. (F&N) previously maintained the site. During the time under F&N a remediation system had been installed consisting of ten ejector wells, an air compressor, a one thousand gallon oil/water separator and two 275-gallon product storage tanks. An activated carbon system treats effluent before it discharges into the sewer system. The site has a total of 45 active monitoring wells. MEG currently performs several distinct services onsite including monthly monitoring system checks and VEFR events. MEG has generated several contamination plume maps. The maps generated show relatively low concentrations of BTEX and MTBE. The results of these maps do not accurately represent the actual levels of contamination present due to the fact that samples cannot be taken from wells where free phase product is present. MEG believed the best way to show actual contamination on the site would be to combine the dissolved contamination maps with a product thickness map to estimate the impacted area onsite. There were also problems associated with the generation of the product thickness maps due to the physical characteristics of the product found onsite. The product found onsite; number six oil would not allow the interface probe to record a



measurement of depth to water. When site wells are monitored and the interface probe is lowered through highly viscous six oil it coats the probe, not allowing the probe to register the presence of water. Per the latest meeting with NYSDEC representatives it has been requested of MEG to provide a proposal to remove any petroleum storage tanks onsite, which have historically impacted the condition of contaminants.



2.0 Work Performed

Personnel from MEG visit the site monthly to perform remediation system checks, monitor all site wells, and VEFR wells containing free phase product. Below is a description of work performed during the quarter beginning July 2002.

- | | |
|---------------|---|
| July 8, 2002 | MEG personnel were onsite performing a routine system check and equipment service. Timers were reset to adjust a change in well recharge. |
| July 9, 2002 | MEG personnel monitored all site wells using a sonic interface probe prior to performing VEFR services on monitoring wells MW-11a, MW-15, MW-32, MW-33a, MW-34. A total of 80 gallons of water/product mixture was recovered. |
| July 10, 2002 | MEG personnel monitored all wells onsite with a sonic interface probe to determine DTW (depth to water) and the presence of any free phase product and product thickness, if applicable. |
| July 24, 2002 | MEG personnel monitored all wells onsite with a sonic interface probe to determine DTW (depth to water) and the presence of any free phase product and product thickness, if applicable. |
| July 29, 2002 | MEG personnel monitored all wells onsite with a sonic interface probe to determine DTW (depth to water) and the presence of any free phase product and product thickness, if applicable. Groundwater samples were collected from monitoring wells MW-1, MW-2, MW-3, MW-4, MW-5, |



MW-9, MW-18, MW-25, MW-26, MW-27, MW-29, MW-30a, MW-31a, and MW-36.

- August 30, 2002 MEG personnel arrived onsite to perform routine maintenance to the remediation system onsite and found the ejector panel not operational, repairs were made and the panel was found to be in poor condition. It has been noted that parts for the panel are not available for future repairs.
- September 4, 2002 MEG personnel monitored all wells onsite with a sonic interface probe to determine DTW (depth to water) and the presence of any free phase product and product thickness, if applicable.
- September 17, 2002 MEG personnel monitored all wells onsite with a sonic interface probe to determine DTW (depth to water) and the presence of any free phase product and product thickness, if applicable. Groundwater samples were collected from monitoring wells MW-11a, MW-15a, MW-31a, MW-32, MW-33a, and MW-34.
- September 18, 2002 MEG personnel monitored all wells onsite with a sonic interface probe to determine DTW (depth to water) and the presence of any free phase product and product thickness, if applicable.
- October 23, 2002 MEG personnel monitored all wells onsite with a sonic interface probe to determine DTW (depth to water) and the presence of any free phase product and product thickness, if applicable.
- November 11, 2002 MEG personnel monitored all site wells using a sonic interface probe prior to performing VEFR services on monitoring well MW -11a, MW-15, MW



-32, MW-33a, MW-34. A total of 80 gallons of water/product mixture was recovered.

November 13, 2002 MEG personnel arrived onsite to perform routine maintenance to the remediation system onsite. During the site visit it was established that the ejector panel was burnt out and beyond repair and is in need of a replacement.



3.0 Conclusions and Recommendations

MEG is in the process of submitting a proposal to remove aboveground storage tanks (AST) and associated contaminated soils onsite. The proposal will outline procedures and contain a cost comparison relating the proposed operation to current remedial activities. Included in the proposal will be MEG's recommendations as to determining the extent of the demolition and excavation involved in site cleanup. MEG will take into account feasibility of removal, and the removal of any contamination discovered during the demolition. The removal of onsite product tanks and impacted soils may increase the effectiveness of current remedial strategies by removing the source of contamination. Until the proposal has been approved by NYSDEC, MEG recommends continuing with regular VEFR events on a monthly schedule and monthly monitoring with quarterly sampling. MEG also recommends that the ejector panel be replaced to upgrade the remediation system to an operational status.



MILLER ENVIRONMENTAL GROUP INC.

**Morgan Terminal
200 Morgan Avenue
Brooklyn, New York
NYSDEC Spill # 92-09135**

To the best of Miller Environmental Group, Inc.'s knowledge the information provided in this report is factual and accurate.

Louis Nardolillo
Project Manager

Date

TABLES



MILLER ENVIRONMENTAL GROUP INC.

Site: GMG Auto
78-01 51st Ave. & Hliyer St.
Elmhurst, NY
Spill #: 89-11960

Client Name: DEC Region 2
Address: 47-40 21st St.
Address: Long Island City, NY 11101
Contact Person: Michelle Tipple

Table 1
Historical BTEX Concentrations (ppb)

Well #	7/26/02	3/29/02	7/30/02
MW-1	<2	103	<2
MW-2	44	26	88
MW-3	38	<2	<2
MW-4	3	13	112
MW-5	2	<2	<2
MW-6	<2	<2	NS
MW-7	<2	5	NS
MW-8	<2	<2	NS
MW-9	<2	44	<2
MW-10	32	42	NS
MW-12	19	138	NS
MW-13	NS	<2	NS
MW-14	8	<2	NS
MW-16A	<2	34	NS
MW-18	NS	11	5
MW-19	2	3	NS
MW-20	<2	499	NS
MW-21	<2	123	NS
MW-22	<2	6	NS
MW-23	4	12	NS
MW-24	25	7	NS
MW-25	6	<2	1
MW-26	<2	<2	145
MW-27	<2	<2	<2
MW-28A	NS	24	NS
MW-29	6	<2	<2
MW-30A	<2	<2	<2
MW-31A	2	22	<2
MW-33A	NS	129	NS
MW-36	<2	5	<2
MW-38	13	<2	<2
MW-40	27	<2	NS

Table 2
Historical MTBE Concentrations (ppb)

Well #	7/26/02	3/29/02	7/30/02
MW-1	<1	<1	<1
MW-2	35	2	12
MW-3	6	<1	<1
MW-4	6	11	27
MW-5	<1	<1	2
MW-6	<1	<1	NS
MW-7	<1	<1	NS
MW-8	<1	<1	NS
MW-9	<1	<1	<1
MW-10	<1	<1	NS
MW-12	<1	<1	NS
MW-13	NS	<1	NS
MW-14	2	<1	NS
MW-16A	2	21	NS
MW-18	NS	<1	<1
MW-19	<1	<1	NS
MW-20	<1	<1	NS
MW-21	1	2	NS
MW-22	11	9	NS
MW-23	6	26	NS
MW-24	18	25	NS
MW-25	2	23	3
MW-26	2	<1	94
MW-27	10	2	5
MW-28A	NS	<1	NS
MW-29	6	5	4
MW-30A	2	4	1
MW-31A	3	2	3
MW-33A	NS	4	NS
MW-36	<1	<1	<1
MW-38	<1	<1	<1
MW-40	110	140	NS

FIGURES

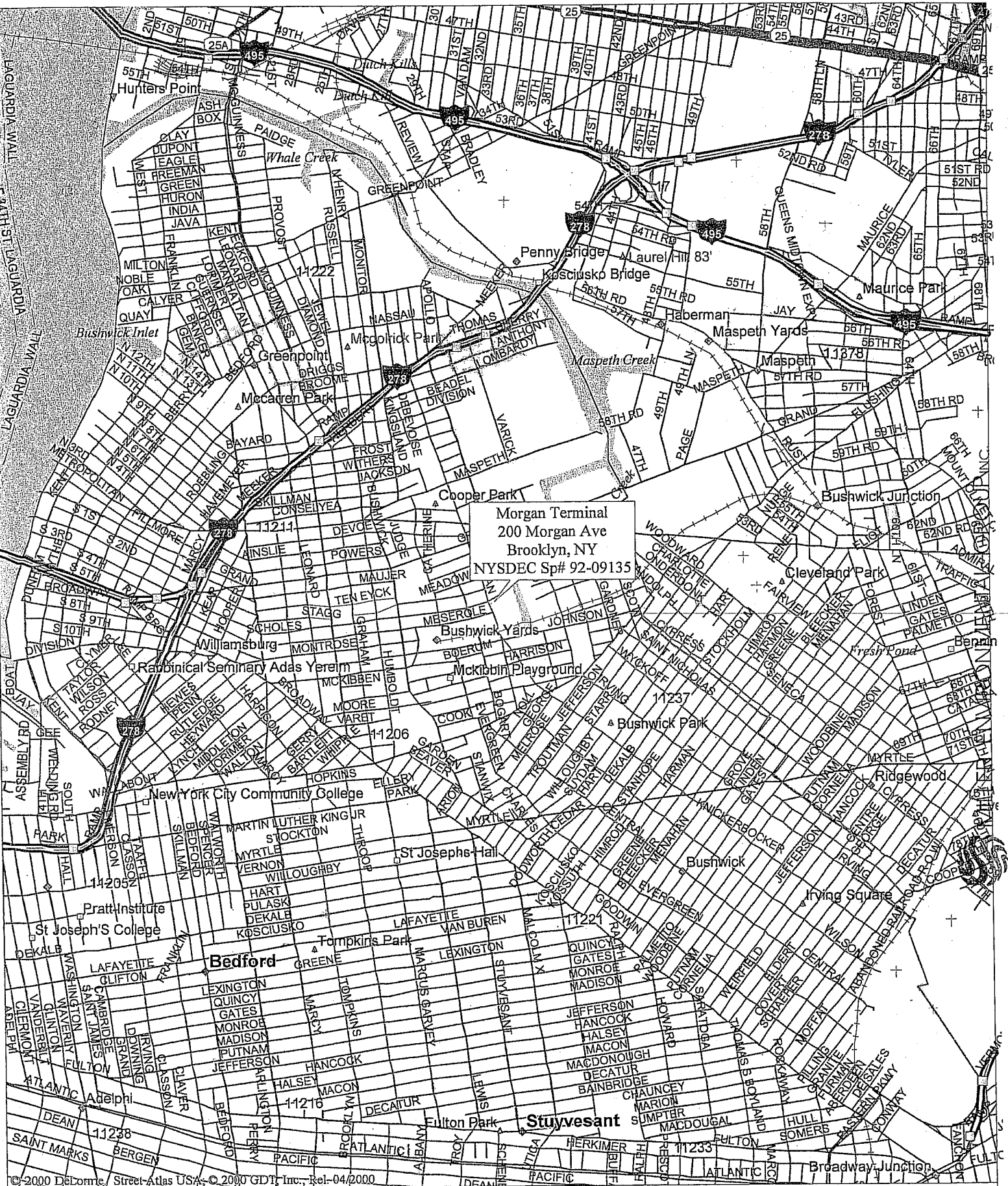
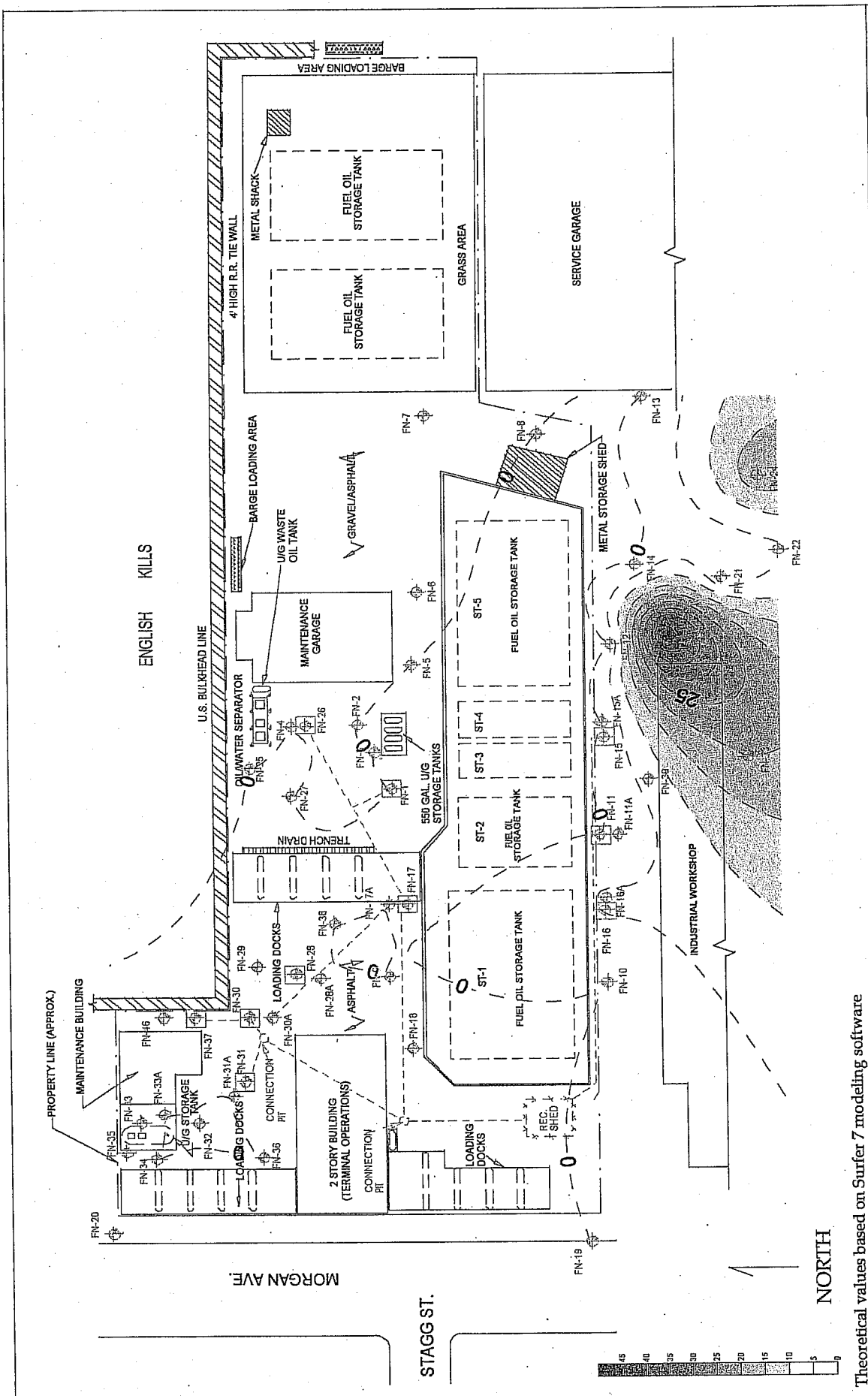

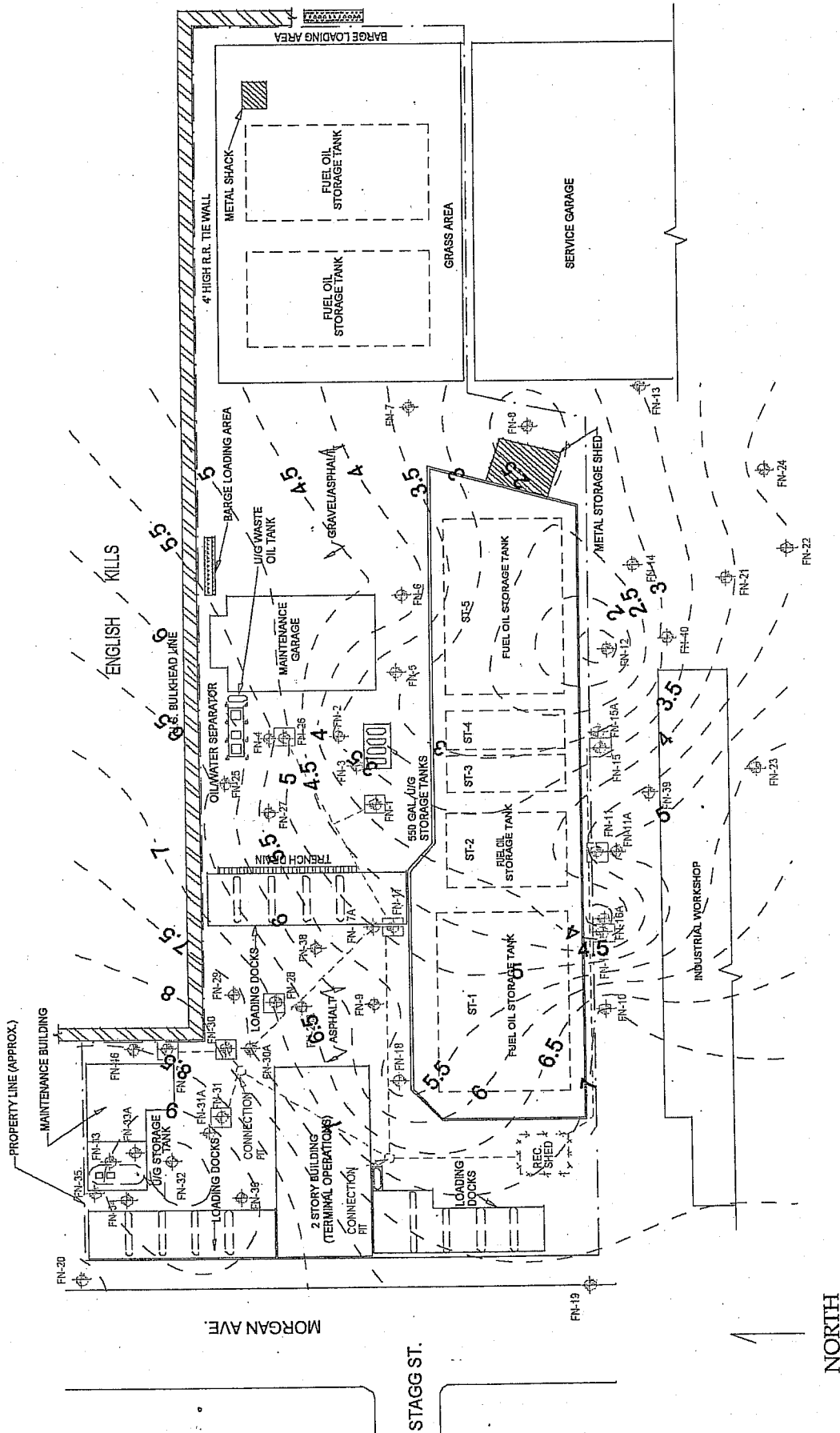


Figure 1 Site Location Map



Theoretical values based on Surfer 7 modeling software

 Miller Environmental Group, Inc. 538 Edwards Avenue, Calverton N.Y. 11933	Morgan Terminal MTBE Plume Map <i>(Based on 7/29/02 Analytical Data)</i>			location:	
				Morgan Avenue Brooklyn, NY	
				scale: Graphic	date revised: 11/14/02
					drawn by: LN



NORTH

Theoretical values based on Surfer 7 modeling software



Miller Environmental Group, Inc.

538 Edwards Avenue, Calverton N.Y. 11933

*Morgan Terminal
Groundwater Flow Map
(Based on 7/29/02 Monitoring Data)*

location:

Morgan Avenue Brooklyn, NY

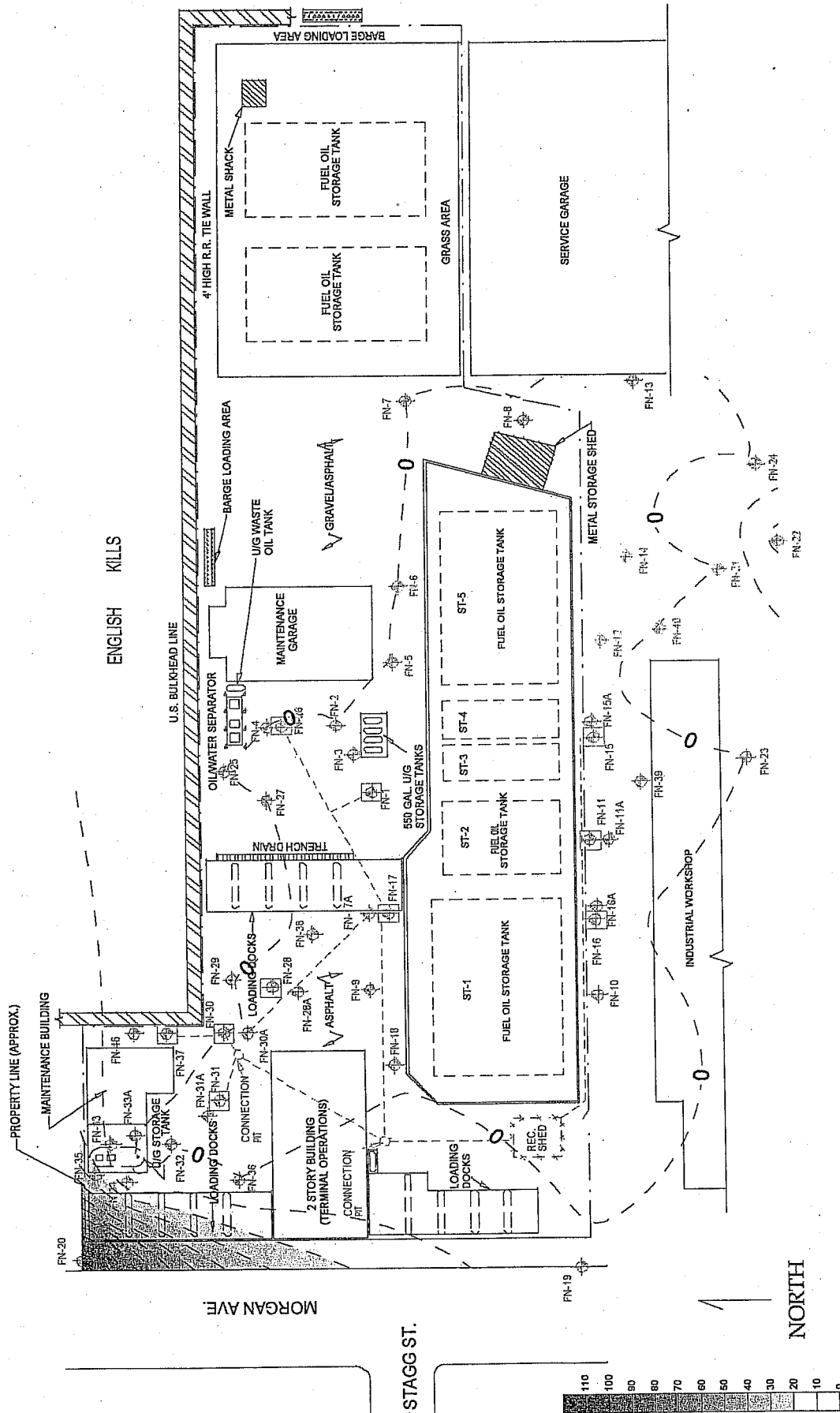
scale:
Graphic

date revised:
11/14/02

drawn by:
LN



MILLER ENVIRONMENTAL GROUP INC.



Theoretical values based on Surfer 7 modeling software



Miller Environmental Group, Inc.
538 Edwards Avenue, Calverton N.Y. 11933

*Morgan Terminal
BTEX Plume Map
(Based on 7/29/02 Analytical Data)*

location:

Morgan Avenue Brooklyn, NY

scale:
Graphic

date revised:
11/14/02

drawn by:
LN



MILLER ENVIRONMENTAL GROUP INC.

Figure 6
Concentration vs Depth to Water
MW-20

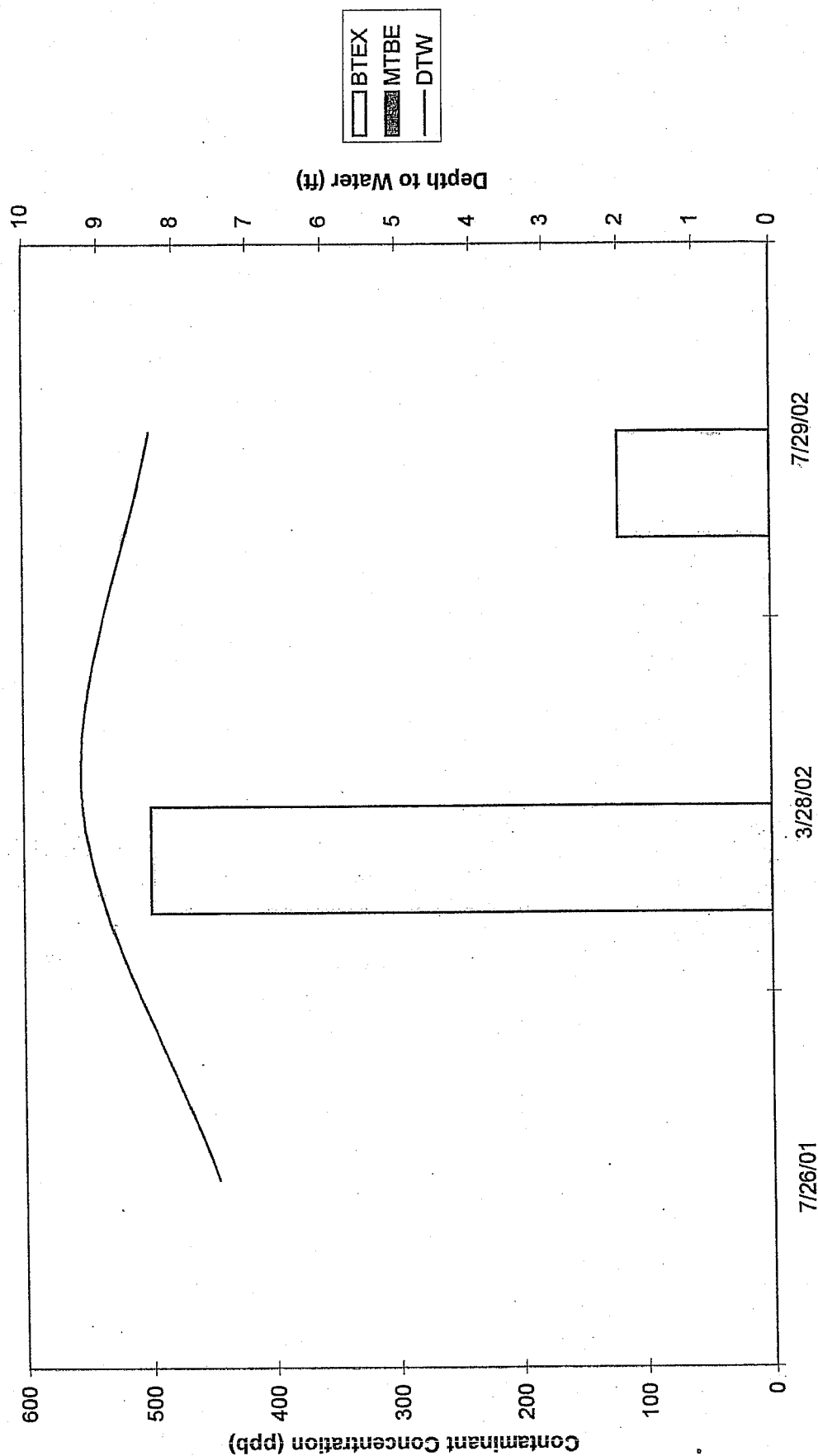


Figure 7
Concentration vs Depth to Water
MW-22

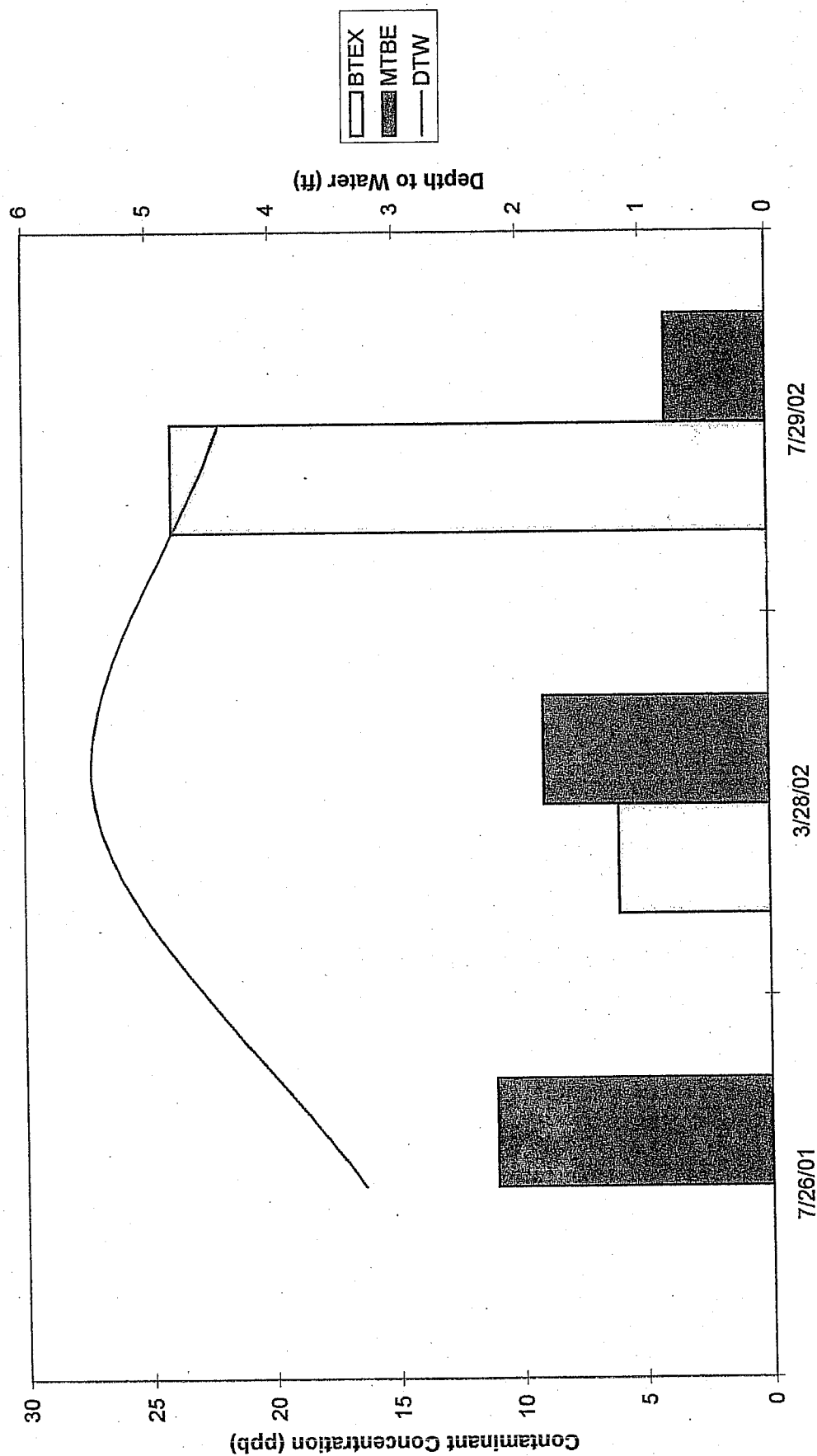


Figure 8
Concentrations vs Depth to Water
MW-23

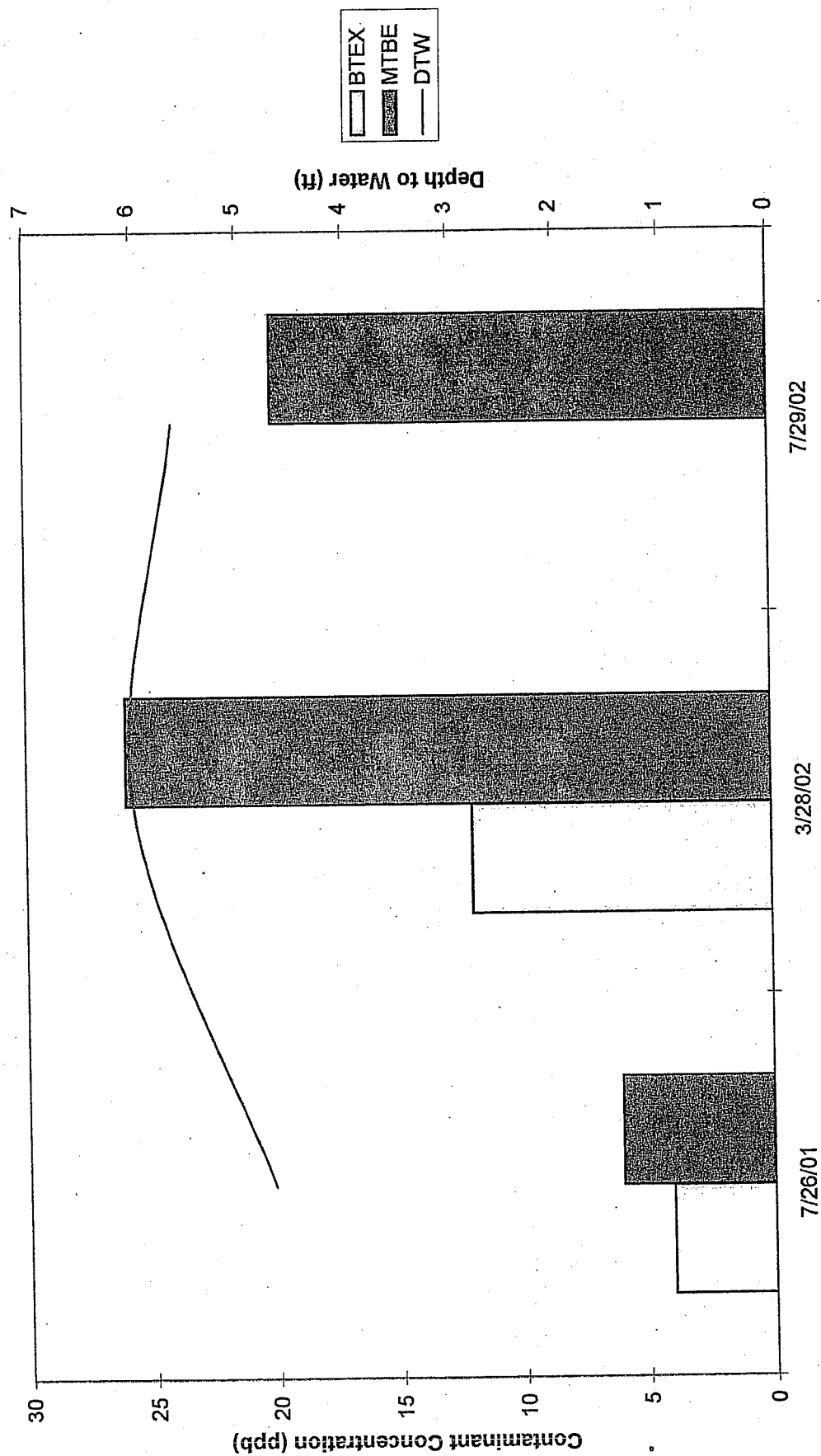
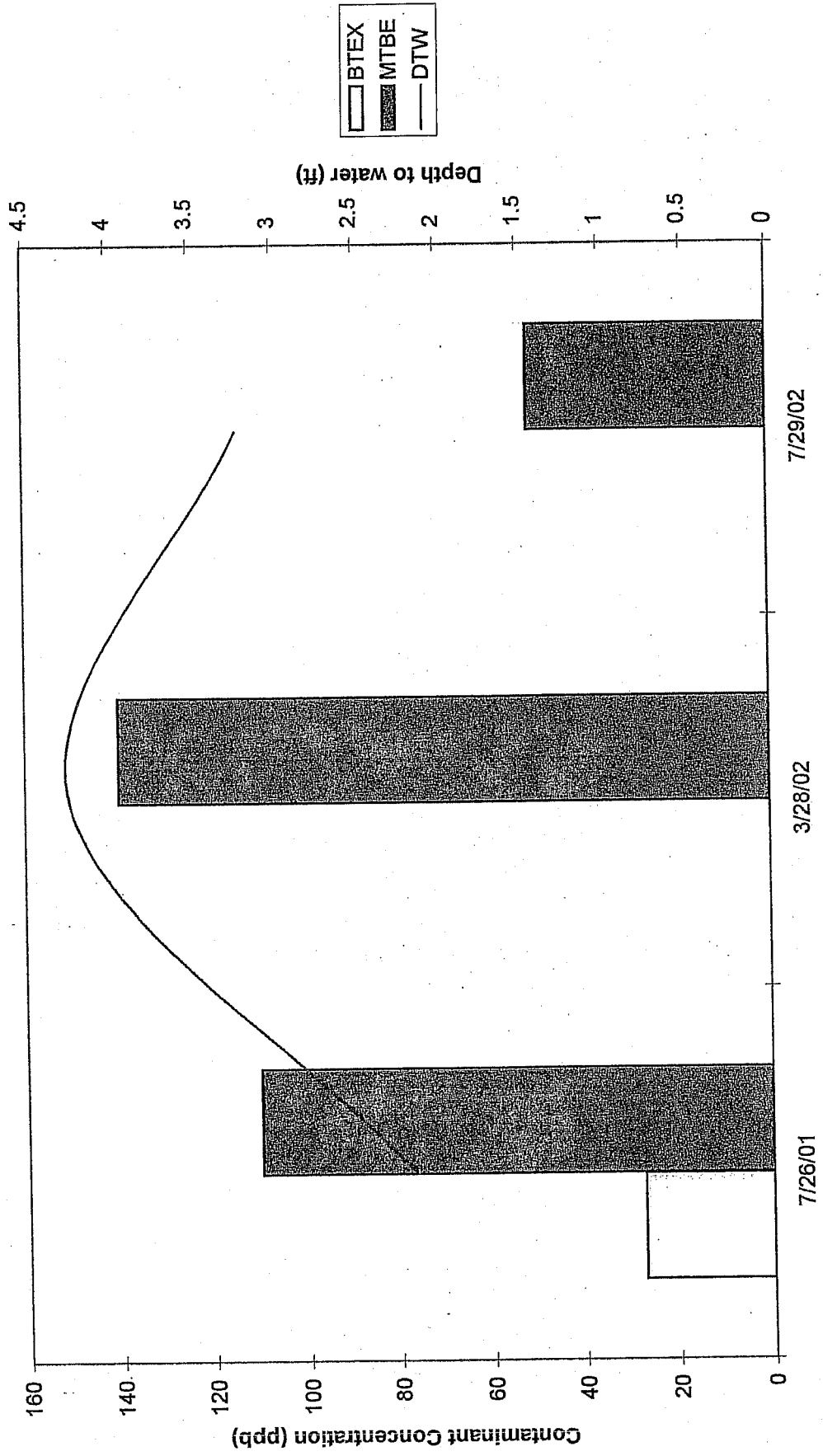


Figure 9
Concentration vs Depth to Water
MW-40



REMEDIATION SYSTEM EVALUATION

MORGAN TERMINAL
BROOKLYN, NEW YORK

Report of the Remediation System Evaluation,
Site Visit Conducted at the Morgan Terminal Site
June 4, 2003



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Office of Solid Waste
and Emergency Response
(5102G)

EPA 542-F-04-029
June 2004
www.epa.gov/tio
clu-in.org/optimization

**Remediation System Evaluation
Morgan Terminal
Brooklyn, New York**

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NOTICE AND DISCLAIMER

Work described herein was performed by GeoTrans, Inc. (GeoTrans) for the U.S. Environmental Protection Agency (U.S. EPA). Work conducted by GeoTrans, including preparation of this report, was performed under S&K Technologies Prime Contract No. GS06T02BND0723 and under Dynamac Prime Contract No. 68-C-02-092, Work Assignment ST-1-08. Mention of trade names or commercial products does not constitute endorsement or recommendation for use.

This report has undergone review by the state site manager and EPA headquarters staff. For more information about this project, contact: Joe Vescio (703-603-0003 or vescio.joseph@epa.gov) or Kathy Yager (617-918-8362 or yager.kathleen@epa.gov).

EXECUTIVE SUMMARY

A Remediation System Evaluation (RSE) involves a team of expert hydrogeologists and engineers, independent of the site, conducting a third-party evaluation of site operations. It is a broad evaluation that considers the goals of the remedy, site conceptual model, above-ground and subsurface performance, and site exit strategy. The evaluation includes reviewing site documents, visiting the site for up to 1.5 days, and compiling a report that includes recommendations to improve the system. Recommendations with cost and cost savings estimates are provided in the following four categories:

- improvements in remedy effectiveness
- reductions in operation and maintenance costs
- technical improvements
- gaining site closeout

The recommendations are intended to help the site team identify opportunities for improvements. In many cases, further analysis of a recommendation, beyond that provided in this report, may be needed prior to implementation of the recommendation. Note that the recommendations are based on an independent evaluation by the RSE team, and represent the opinions of the RSE team. These recommendations do not constitute requirements for future action, but rather are provided for the consideration of all site stakeholders. This RSE report pertains to conditions that existed at the time of the RSE site visit, and any site activities that have occurred subsequent to the RSE site visit are not reflected in this RSE report.

The Morgan Terminal site is an abandoned oil terminal located at 200 Morgan Avenue in Brooklyn, New York. The site has historically been contaminated with diesel fuel, No.6 fuel oil, and BTEX/MTBE. Current contamination largely consists of No. 6 fuel oil and relatively low concentrations of BTEX/MTBE. The surrounding area is comprised of industrial facilities and warehouses. Morgan Avenue borders the site to the west and the English Kills borders the site to the north and east. Figure 1 depicts the primary features of the site and the site's location with respect to the English Kills.

Site-related contamination was first reported in 1992 by the Coast Guard when oil was found seeping into the English Kills. Between December 1992 and January 1993 a remedial investigation was conducted including the installation of 20 ground water monitoring wells and tank testing. The tanks were cleaned in 1994, and a remediation system became operational in June 1995. The State does not own the property. The current owner reportedly lives in Florida and, at the time of the interim consent order in 1994, over \$800,000 in back taxes were owed. The State has a lien on the property to recover costs if the property is ever sold.

The observations and recommendations contained in this report are not intended to imply a deficiency in the work of either the system designers or operators but are offered as constructive suggestions in the best interest of the EPA, the public, and the facility. These recommendations have the obvious benefit of being formulated based upon operational data unavailable to the original designers.

Recommendations to improve effectiveness in protecting human health and the environment are as follows:

- Analysis of chlorinated solvents and polynuclear aromatic hydrocarbons (PAHs) should be added to the ground water monitoring program for at least two quarters to determine if ground water is

contaminated with these constituents. It does not appear that ground water has been sampled for these constituents. Site records indicate that chlorinated solvents were present at the mg/L level in some of the tanks that may have leaked. PAHs are often associated with No. 6 fuel oil.

- The site structures, including the storage tanks and loading docks, should be removed. The contaminated soil found beneath these structures and located above the water table could be investigated and/or excavated. Although the property is in a favorable business location given its proximity to the water, the presence of these structures and the underlying contamination are substantial business risks. Removing these structures and either delineating or removing the underlying contamination will help the future development of the property and assist in remedial activities.
- The site conceptual model should be updated after the demolition and excavation. Changes in infiltration and ground water flow may be expected. In addition, much of the source material may be removed. The site conceptual model should also be updated with respect to chlorinated solvent or PAH contamination if any is detected in the above-recommended sampling and analysis.
- The site team could not locate a discharge permit for its remediation system and no sampling of the effluent is conducted. The discharge permit/agreement should either be located or a new one should be obtained and sampling should be conducted accordingly.

The RSE team does not provide any specific recommendations for cost reduction but does agree with recent cost reduction measures undertaken by the site team, including the elimination of vacuum enhanced fluid recovery events and a reduction in the well-gauging frequency. Recommendations are provided for technical improvement, including improving the site reports and simplifying the treatment system. One recommendation is provided for gaining site closeout, or rather, system closeout. It is to consider an alternative remedial approach based on institutional controls and passive skimming of free product. The rationale for this approach is the immobility and relatively low toxicity of the No. 6 fuel, the absence of free product discharges to surface water, and the high cost of removing the remaining free product and impacts that reach below the water table. The success of implementing this type of approach, however, is contingent on finding no significant chlorinated solvent and PAH ground water contamination.

A table summarizing the recommendations, including estimated costs and/or savings associated with those recommendations, is presented in Section 7.0 of this report.

PREFACE

This report was prepared as part of a pilot project conducted by the United States Environmental Protection Agency (USEPA) Office of Underground Storage Tanks (OUST) and Office of Superfund Remediation and Technology Innovation(OSRTI). The objective of this project is to conduct Remediation System Evaluations (RSEs) of pump and treat systems managed by State UST programs. The following organizations are implementing this project.

Organization	Key Contact	Contact Information
USEPA Office of Underground Storage Tanks (OUST)	Joe Vescio	Joseph P. Vescio EPA Headquarters 5401G Ariel Ross Building 1200 Pennsylvania Ave, N.W. Washington, D.C. 20460 phone: 703-603-0003 fax: 703-603-0175 vescio.joseph@epa.gov
USEPA Office of Superfund Remediation and Technology Innovation (USEPA OSRTI)	Kathy Yager	11 Technology Drive (ECA/OEME) North Chelmsford, MA 01863 phone: 617-918-8362 fax: 617-918-8427 yager.kathleen@epa.gov
USEPA Office of Superfund Remediation and Technology Innovation (USEPA OSRTI)	Ellen Rubin	5102G USEPA Headquarters Ariel Rios Building 1200 Pennsylvania Avenue, N. W. Washington, DC 20460 703-603-0141 rubin.ellen@epa.gov
GeoTrans, Inc. (Contractor to USEPA)	Doug Sutton	GeoTrans, Inc. 2 Paragon Way Freehold, NJ 07728 (732) 409-0344 Fax: (732) 409-3020 dsutton@geotransinc.com

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1.0 INTRODUCTION

1.1 PURPOSE

During fiscal years 2000, 2001, and 2002, Remediation System Evaluations (RSEs) were conducted at 24 Fund-lead pump and treat (P&T) sites (i.e., those sites with pump and treat systems funded and managed by Superfund and the States). Due to the opportunities for system optimization that arose from those RSEs, EPA OSRTI and OUST are performing a pilot study of conducting RSEs at UST sites. During fiscal year 2003, RSEs at up to 3 State-managed UST sites are planned in an effort to evaluate the effectiveness of this optimization tool for this class of sites. GeoTrans, Inc., an EPA contractor, is conducting these evaluations, and representatives from EPA OUST are attending the RSEs as observers.

The Remediation System Evaluation (RSE) process was developed by the US Army Corps of Engineers (USACE) and is documented on the following website:

<http://www.environmental.usace.army.mil/library/guide/rsechk/rsechk.html>

A RSE involves a team of expert hydrogeologists and engineers, independent of the site, conducting a third-party evaluation of site operations. It is a broad evaluation that considers the goals of the remedy, site conceptual model, above-ground and subsurface performance, and site exit strategy. The evaluation includes reviewing site documents, visiting the site for 1 to 1.5 days, and compiling a report that includes recommendations to improve the system. Recommendations with cost and cost savings estimates are provided in the following four categories:

- improvements in remedy effectiveness
- reductions in operation and maintenance costs
- technical improvements
- gaining site closeout

The recommendations are intended to help the site team (the responsible party, if one exists, and the regulators) identify opportunities for improvements. In many cases, further analysis of a recommendation, beyond that provided in this report, might be needed prior to implementation of the recommendation. Note that the recommendations are based on an independent evaluation by the RSE team, and represent the opinions of the RSE team. These recommendations do not constitute requirements for future action, but rather are provided for the consideration of all site stakeholders. This RSE report pertains to conditions that existed at the time of the RSE site visit, and any site activities that have occurred subsequent to the RSE site visit are not reflected in this RSE report.

The Morgan Terminal facility was selected by EPA OUST, in coordination with State agencies. This report provides a brief background on the site and current operations, a summary of the observations made during a site visit, and recommendations for changes and additional studies. The cost impacts of the recommendations are also discussed.

1.2 TEAM COMPOSITION

The team conducting the RSE consisted of the following individuals:

Rob Greenwald, Hydrogeologist, GeoTrans, Inc.
Peter Rich, Civil and Environmental Engineer, GeoTrans, Inc.
Doug Sutton, Water Resources Engineer, GeoTrans, Inc.

The RSE team was also accompanied by the following observers:

- Joe Vescio, EPA OUST
- Judy Barrows, EPA OUST

EPA-OUST is jointly conducting this RSE Pilot Study for UST sites with EPA-OSRTI.

1.3 DOCUMENTS REVIEWED

Author	Date	Title
NYSDEC	12/3/1992	Interim Order on Consent
Fenley & Nicol Environmental	3/6/1993	Subsurface Investigation at Morgan Terminal
Fenley & Nicol Environmental	2/14/1995	Remediation Proposal, Morgan Terminal
Fenley & Nicol Environmental	6/20/1996	Status Report - November 1995 - April 1996
Fenley & Nicol Environmental	2/26/1997	Semi-Annual Status Report Morgan Terminal
Fenley & Nicol Environmental	4/9/1998	Status Report, Morgan Oil Terminal
Fenley & Nicol Environmental	3/2/1999	Status Report, Morgan Oil Terminal
Fenley & Nicol Environmental	8/14/1999	Status Report, Morgan Oil Terminal, July 1998 - March 1999
Miller Environmental Group	6/2001	Site Status Report, January 2001 - June 2001
EcoTest Laboratories, Inc.	7/26/2001	Laboratory Data
EcoTest Laboratories, Inc.	8/8/2002	Laboratory Data
Miller Environmental Group	11/2002	Site Status Monitoring Report, July 2002 - November 2002

1.4 PERSONS CONTACTED

The following individuals associated with the site were present for the visit:

- Skip Taylor, Miller Environmental Group
- Louis Nardolillo, Miller Environmental Group
- Karen Sheridan, Miller Environmental Group
- Jennifer Rommel, NYSDEC
- Kerry Foley, NYSDEC
- Jeff Vought, NYSDEC
- Ben Singh, EPA Region II

1.5 SITE LOCATION, HISTORY, AND CHARACTERISTICS

1.5.1 LOCATION

The Morgan Terminal site is an abandoned oil terminal located at 200 Morgan Avenue in Brooklyn, New York. The site consists of a two story terminal operations building and maintenance building, seven bulk fuel oil storage tanks, and several underground storage tanks. The site has historically been impacted by diesel fuel and No. 6 fuel oil and dissolved hydrocarbons. Current contamination largely consists of No. 6 fuel oil. The surrounding area is comprised of industrial facilities and warehouses. Morgan Avenue borders the site to the west, the English Kills borders the site to the north and east, and an alley and other industrial properties border the site to the south. Figure 1-1 depicts the primary features of the site and the site's location with respect to the English Kills.

Site-related contamination was first reported in 1992 by the Coast Guard when oil was found seeping into the English Kills. Between December 1992 and January 1993 a remedial investigation (RI) was conducted including the installation of 20 ground water monitoring wells and tank testing. Primary recommendations included additional subsurface investigation, removal of floating product from monitoring wells, emptying and cleaning of tanks, and design of a remediation system. Additional investigations have occurred and the site now has over 40 monitoring wells. The tanks were cleaned in 1994, and a remediation system became operational in June 1995.

The State does not own the property. The current owner reportedly lives in Florida and, at the time of the interim consent order in 1994, over \$800,000 in back taxes were owed. The State has a lien on the property to recover costs if the property is ever sold.

1.5.2 POTENTIAL SOURCES

The fuel oil storage tanks and other operations were the likely sources of contamination. The following table outlines for each storage tank the construction material, capacity, and former contents. Other smaller underground storage tanks are also present on the site and are indicated on Figure 1-1.

Tank Number	Type	Capacity	Product Formerly Stored
1	Steel/Carbon Steel	645,000	Nos. 5 or 6 Fuel Oil
2	Steel/Carbon Steel	7,000	Nos. 1, 2, or 4 Fuel Oil
3	Steel/Carbon Steel	55,000	Nos. 1, 2, or 4 Fuel Oil
4	Steel/Carbon Steel	67,000	Nos. 1, 2, or 4 Fuel Oil
5	Steel/Carbon Steel	507,000	Nos. 5 or 6 Fuel Oil
6	Steel/Carbon Steel	400,000	Nos. 1, 2, or 4 Fuel Oil
7	Steel/Carbon Steel	244,000	Nos. 1, 2, or 4 Fuel Oil

Though some tanks have been removed and other tanks have been cleaned, the conditions beneath the large storage tanks (including ST-1 through ST-5 on Figure 1-1) have not been investigated and this area may have significant free product in the soil. The wells with the highest dissolved hydrocarbon concentrations (in the vicinity of FN-26) are not near the wells with free product as shown in Figures 1-1 and 1-2, but the remaining free product at the site may serve as a continuing source for other dissolved phase contamination. Analysis of the contents from some of the tanks in 1994 revealed chlorinated hydrocarbons (tetrachloroethene, 1,1,1-tetrachloroethane, and trichloroethene) at the mg/L level. As of the RSE site visit, ground water samples had not been analyzed for these constituents.

It is generally understood that the free product remaining at the site is No. 6 fuel oil and that the majority of the lighter oils have either discharged to the English Kills or have been removed with the remediation system.

1.5.3 HYDROGEOLOGIC SETTING

According to the 1993 subsurface investigation conducted by Fenley & Nicol, the site is underlain by dark, very loose to medium compacted, fine to medium-grained sand with traces of pebbles, silt, brick, and concrete (fill). The predominant native formation consists of fine to medium sand with traces of pebbles. A peat layer is present at 12 feet below ground surface. The ground water table is generally 2 to 6 feet below ground surface.

Ground water flow is generally to the northwest toward the English Kills at an approximate hydraulic gradient of 0.01 feet/foot. Ground water flow, however, is substantially influenced by mounding near the storage tanks. As a result, ground water near the southern boundary of the property flows off site to the south. MTBE contamination has been found over 50 feet to the south of the site (FN-22 as depicted in Figure 1-2).

The wells yield very little water (i.e., approximately 1 gpm) but this may be predominantly due to fouling of the wells over time rather than the hydraulic properties of the aquifer. No record of pump tests were found, and the extraction rate of the remediation system is not provided. For reference, however, approximately 625 gallons of total fluids were removed by 5 vacuum enhanced fluid recovery events conducted in two wells (FN-11A and FN-15A), or approximately 6 gallons of total fluids per well per event.

1.5.4 RECEPTORS

The primary receptor is the English Kills. Discharges to the English Kills are no longer visible and may not be occurring. No investigation of the Kills or its sediments has taken place since the original reporting of the contamination.

Workers would also be potential receptors if trenching or other subsurface activity is required. Though not specifically identified from a well search, supply wells are present in the area, including one that is advertised at a car wash along on Morgan Avenue. This well or other wells are not likely receptors unless substantial dissolved contamination is present. Ground water sampling and analysis to date suggest that dissolved hydrocarbon contamination is not a threat to these receptors; however, samples have not been analyzed for chlorinated hydrocarbons.

1.5.5 DESCRIPTION OF GROUND WATER PLUME

Contaminants of concern include both free product and dissolved phase contamination. Figure 1-1 depicts the site monitoring wells and indicates those where free product has recently been observed. Figure 1-2 depicts the extent of MTBE and BTEX (benzene, toluene, ethylbenzene, and xylene) dissolved phase contamination. Although the extent of free product is smaller than it historically has been, the remaining free product is generally No. 6 fuel oil, which has been difficult to remove through either extraction or in-situ degradation.

Ground water samples have only been analyzed for hydrocarbons, including BTEX and MTBE. Although concentrations are above State standards in some locations, they are generally within an order of magnitude of the standards, with the exception of benzene in a limited area around FN-26. Although chlorinate hydrocarbons where detected within some of the storage tanks in 1994 at the mg/L range, ground water samples have not been analyzed for these constituents.

2.0 SYSTEM DESCRIPTION

2.1 SYSTEM OVERVIEW

The remediation system became operational in June 1995, extracts ground water from select monitoring wells, and treats the water prior to discharge to the sewer. Historically, extraction has been achieved from 10 monitoring wells outfitted with ejector pumps that are powered by a 5 HP compressor. At the time of the RSE site visit, only three of the pumps (FN-17, FN-28, and FN-30) were working, and the total extraction flow rate was estimated to be about 1 gpm. FN-37 was also online but was not functional.

The total fluids (both free product and water) are pumped to the head of the treatment system and flow by gravity through phase separation components before being pumped through GAC and then pumped to the discharge point. The treatment system as a whole consists of the following components:

- 1,000 gallon oil/water separator tank
- 550 gallon oil collection tank with secondary containment
- secondary 300 gallon separator
- 275-gallon influent tank with Teel 0.5 HP sump pump
- 55 gallon Carbtrol GAC vessel
- 275-gallon effluent tank with Teel 0.5 HP sump pump

The pumps are operated by level switches. Hi-hi switches are provided at the pumped tanks and the oil collection tank to prevent spills by stopping the compressor if a hi-hi level is reached. System piping is 2-inch diameter Schedule 40 PVC. The GAC unit is located in a shed with the compressor. All other components are outside and are insulated and heat traced.

Ground water extraction and treatment was augmented by vacuum enhanced fluid recovery (VEFR) that was conducted by a mobile unit. VEFR was discontinued in 2002, due to low recovery.

2.2 MONITORING PROGRAM

The monitoring program has historically consisted of gauging wells on a bi-weekly basis, but has recently been modified to gauging wells on a monthly basis and conducting quarterly sampling and analysis for BTEX and MTBE at approximately 9 perimeter well (FN-7, FN-13, FN-19, FN-20, FN-21, FN-23, FN-25, FN-29, and FN-46). For sampling, the wells are purged by low-flow pumps and the samples are taken with bailers. Wells are not sampled if free product is observed. EPA Method 602 is used for analysis. Although product thickness is measured, the measurements are not accurate because the No. 6 fuel oil coats the interface probe and prevents an accurate reading of the oil/water interface. Site status reports are provided to NYSDEC on a semi-annual basis.

The treatment plant influent and effluent are not sampled and the extraction rate is not measured.

3.0 SYSTEM OBJECTIVES, PERFORMANCE AND CLOSURE CRITERIA

3.1 CURRENT SYSTEM OBJECTIVES AND CLOSURE CRITERIA

The remediation goals are not clearly stated in the reports, but NYSDEC stated during the site visit that the goal is to eliminate measurable product. The presence of dissolved BTEX and MTBE contamination also suggests that site goals include decreasing the ground water concentrations to below applicable standards. The following table outlines the most stringent NYSDEC ground water standards for BTEX and MTBE as well as the chlorinated hydrocarbons that were detected in the storage tanks in 1994. The applicable standards for this site might be less stringent depending on the classification of ground water and surface water in the area.

Contaminant	NYSDEC Standard
Benzene	1 ug/L
Ethylbenzene	5 ug/L
Toluene	5 ug/L
Xylene (each isomer)	5 ug/L
MTBE	10 ug/L
Trichloroethene	5 ug/L
Tetrachloroethene	5 ug/L
1,1,1-Trichloroethane	5 ug/L

3.2 TREATMENT PLANT OPERATION STANDARDS

NYSDEC representatives at the RSE site visit did not know if there is a permit to discharge treated water to the sewer or where water in the sewer is discharged. Sampling of the effluent is not conducted.

4.0 FINDINGS AND OBSERVATIONS FROM THE RSE SITE VISIT

4.1 FINDINGS

The observations provided below are not intended to imply a deficiency in the work of the system designers, system operators, or site managers but are offered as constructive suggestions in the best interest of the EPA, NYSDEC, and the public. These observations obviously have the benefit of being formulated based upon operational data unavailable to the original designers. Furthermore, it is likely that site conditions and general knowledge of ground water remediation have changed over time.

4.2 SUBSURFACE PERFORMANCE AND RESPONSE

4.2.1 PLUME CAPTURE

Although the original extraction system, comprised of 10 extraction wells, might have provided sufficient extraction to provide a hydraulic barrier between the contamination and the English Kills, the current system, comprised of 3 to 4 wells pumping approximately 1 gpm, likely does not. As stated by NYSDEC and their contractors during the site visit, the system is operating to maximize product removal.

4.2.2 AQUIFER RESTORATION

Discharges to the English Kills are no longer observable. Although free product is present, it is relatively immobile. This immobility prevents further discharge to surface water, but it also complicates extracting it from the subsurface. The site team estimates that approximately 10 to 20 gallons of product were removed during the past year of system operation. In addition, VEFR events conducted in 2002 generally recovered little product, and additions of Biosolve did not prove effective. As a result, the VEFR events have been discontinued. The following monitoring wells had observable free product between July and October 2002: FN-11a, FN-15a, FN-17a, FN-28a, FN-31a, FN-32, FN-33a, FN-34. These wells are indicated on Figure 1. The product thickness is not provided. Accurate measurements could not be obtained because the oil coated the interface probe and prevented it from identifying the product/water interface.

Dissolved BTEX and MTBE contamination exceed standards in few of the site wells. The following table presents those monitoring wells where dissolved contamination exceeded standards in July 2002. This dissolved contamination is also presented in Figure 1-2. The operating recovery wells are not in the vicinity of the monitoring wells with elevated dissolved contaminant concentrations. Wells with free product were not sampled but might have included dissolved contamination.

Monitoring Well	MTBE (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylene* (ug/L)
State Standard	10	1	5	5	5
FN-2	12	85	3	<1	<2
FN-4	27	15	13	10	50
FN-20	<1	<1	5	15	69
FN-22	4	<1	<1	2	15
FN-23	20	<1	<1	<1	<2
FN-24	19	<1	<1	<1	<2
FN-26	94	130	5	1	7
FN-40	51	<1	<1	<1	<2

* There are multiple isomers for xylenes. The concentration for the isomer with the highest concentration is presented.

4.3 COMPONENT PERFORMANCE

4.3.1 EXTRACTION SYSTEM WELLS, PUMPS, AND HEADER

The majority of the ejector pumps are not operating because they are in need of repair. The pumps are now obsolete and, as a result, the parts are hard to obtain. According to the site contractor, the timing mechanisms are the most troublesome aspects. Parts have been used from some pumps to keep others running.

The low well yield may partially be due to fouling of the well screens. Cleaning of the wells is planned for the Summer of 2003.

4.3.2 SEPARATORS

The separators appear to be functioning as intended. Separated product from the primary separator is discharged to a storage tank. The product in the secondary separator, however, must be removed manually. During the RSE site visit there was thin layer of product in the bottom of the secondary containment structure for the primary separator. The separators and the other tanks outside of the maintenance shed are insulated and heat traced. Freezing has not been a problem.

4.3.3 GAC

The GAC is replaced approximately 3 times per year based on an increase in pressure to 10 psi or greater. No sampling of the influent and effluent is conducted, so the performance of the GAC cannot be determined.

4.4 COMPONENTS OR PROCESSES THAT ACCOUNT FOR MAJORITY OF ANNUAL COSTS

The approximate annual O&M costs were discussed during the RSE site visit. Based on the input from the contractors, the RSE team estimates that O&M will cost approximately \$22,000 in the upcoming

years. This is a decrease in O&M cost from previous years primarily due to reductions in scope, such as the elimination of the VEFR events and reduction of well gauging frequency from biweekly to monthly.

Item Description	Estimated Cost per Year
System operation and maintenance	\$6,000
Semi-annual reporting	\$2,400
Sampling and well gauging	\$3,500
Electricity	\$3,300
GAC replacement	\$1,200
Laboratory analysis	\$5,200
Total Estimated Cost	\$21,600

4.4.1 UTILITIES

The site utilities are primarily due to the compressor and process pumps. Electricity bills suggest that the site uses, on average, 55 kWh per day at a cost of \$0.16 per kWh. This translates to approximately \$3,200 per year. Service and miscellaneous charges of approximately \$100 brings the total annual electricity cost to approximately \$3,300 per year.

4.4.2 NON-UTILITY CONSUMABLES AND DISPOSAL COSTS

GAC is the only consumable used at the site. Replacements occur approximately 3 times per year at a cost of approximately \$400, including GAC, labor, and disposal. There is apparently no cost for discharging treated water to the sewer.

4.4.3 LABOR

Labor primarily consists of servicing the treatment system and ejector pumps, sampling, gauging, and reporting. Project management is included in the costs, and a discount is provided to the State.

4.4.4 CHEMICAL ANALYSIS

Chemical analysis costs are estimated by the RSE team assuming approximately \$100 per sample and 13 samples per quarterly event, including QA/QC samples.

4.5 RECURRING PROBLEMS OR ISSUES

The ejector pumps require frequent servicing and parts are difficult to obtain. Another recurring problem is the inability to obtain an accurate product thickness measurement. When submerged into the free product, the interface probe is coated with the No. 6 fuel oil and cannot detect the interface between the product and the underlying water.

During the RSE site visit, one of the well vaults was flooded, allowing free product to rise to within an inch of ground surface.

The site also faces a security issue. The New York Police Department, in cooperation with NYSDEC, conducts frequent raids to address vagrants, trespassers, and associated criminal acts.

4.6 REGULATORY COMPLIANCE

The site team is unaware of a discharge permit, and no effluent sampling is conducted. It is therefore difficult to determine if the treatment system is in compliance.

4.7 TREATMENT PROCESS EXCURSIONS AND UPSETS, ACCIDENTAL CONTAMINANT/REAGENT RELEASES

The site team did not indicate any treatment process excursions or releases.

4.8 SAFETY RECORD

The site team did not indicate any reportable incidents.

5.0 EFFECTIVENESS OF THE SYSTEM TO PROTECT HUMAN HEALTH AND THE ENVIRONMENT

5.1 GROUND WATER

Under the current conceptual model, surface water is the only receptor of contaminated ground water. However, there may be private water supply wells in the area. Because the No. 6 fuel oil is relatively immobile, it does not pose an immediate threat to supply wells, if they are present. Dissolved BTEX/MTBE contamination is present in relatively low concentrations and should not adversely affect nearby potential receptors. Dissolved chlorinated compounds might be present in the subsurface but have not been sampled in ground water as part of the site activities. If chlorinated compounds are present in the ground water, they might be the most likely contaminants to impact nearby supply wells.

5.2 SURFACE WATER

Surface water was historically affected by discharges of fuel oil from ground water. Such discharges, however, have not been visually observed since the site characterization and remedial activities began in 1994. Dissolved contamination might be discharging to surface water. Dissolved BTEX/MTBE is present at low concentrations but above State standards. The remediation system likely does not provide a hydraulic barrier between contamination sources and surface water. Dissolved contamination is not expected to adversely impact surface water unless substantial chlorinated solvent contamination is detected. The surface water quality has not been determined as part of the site activities, but if contamination is detected in surface water it could result from other facilities.

5.3 AIR

Indoor air has not been considered a potential receptor at this site. Dissolved site-related hydrocarbons are relatively limited in extent and sufficiently low in concentration that they are likely not adversely affecting indoor air at any of the neighboring buildings. Chlorinated hydrocarbons, if present in sufficient quantities, could adversely affect indoor air quality of surrounding buildings or of future buildings on this site. Benzene in the vicinity of FN-26 could potentially adversely affect indoor air quality if the concentrations do not decline and the property is developed without appropriate engineering controls.

5.4 SOILS

The site is covered in either concrete or asphalt, and contaminated soils are not present at the surface. Subsurface activities, such as trenching and construction, however, could expose workers to contaminated soils.

5.5

WETLANDS AND SEDIMENTS

There are no wetlands in the vicinity of the site. Sediments in the English Kills have not been sampled as part of the site activities. If they are contaminated, the contamination is not necessarily due to the Morgan Oil site given the presence of other industrial facilities in the area.

6.0 RECOMMENDATIONS

Cost estimates provided herein have levels of certainty comparable to those done for CERCLA Feasibility Studies (-30/+50%), and these cost estimates have been prepared in a manner consistent with EPA 540-R-00-002, *A Guide to Developing and Documenting Cost Estimates During the Feasibility Study*, July 2000.

6.1 RECOMMENDATIONS TO IMPROVE EFFECTIVENESS

6.1.1 DETERMINE IF CHLORINATED SOLVENTS AND PAHS ARE PRESENT IN GROUND WATER

Analysis of liquid in Tank #5 and a vacuum truck on June 21, 1994 indicate elevated concentrations (e.g., over 1 mg/L) of tetrachloroethene, trichloroethene, 1,1,1-trichloroethane, and trichlorofluoromethane. Given the history of discharges from tanks at this facility, there is potential for these contaminants to be present in ground water. In addition, some potentially hazardous polynuclear aromatic hydrocarbons (PAHs) are typically associated with No. 6 fuel oil and may be present in the dissolved phase. There is no indication in site records that chlorinated solvent or PAH contamination of ground water has been investigated as part of site activities. These compounds should be added to the ground water monitoring program for two quarters and should be included in the ground water monitoring program for longer if they are detected in ground water above State standards. This recommendation could be implemented by analyzing the samples from the next two events with method 8260b and 8270c instead of method 602. The added cost should be less than \$4,000 for the two events. If the current monitoring network does not adequately delineate the plume of these newly analyzed constituents, then additional investigation may be required.

6.1.2 IMPROVE THE SITE CONDITION BY DEMOLISHING STRUCTURES AND INVESTIGATING AND/OR EXCAVATING UNDERLYING CONTAMINATED SOILS

The property is not maintained, is a safety hazard, and an attraction for vagrants and vandals. Furthermore, although the property is in a promising location for potential businesses and could provide the city with additional tax revenue, the site contamination and presence of the tanks and decrepit infrastructure makes acquiring the property a substantial business risk.

In addition to improving the site aesthetically and improving the probability of development, removal of the derelict equipment and structures will allow investigation and remediation of the site to proceed unimpeded. The site tanks (including retaining/containment walls and mounded soil), structures, pipes, and loading racks should be removed. The concrete and steel could be disposed in a C&D landfill or recycled. Some cleaning would be necessary to remove oil staining. Based on a review of the site map, the footprint of all structures on the property is as follows:

Structure	Dimensions*	Estimated Footprint
3 loading docks	20 ft x 75 ft (each)	1,500 ft ²
Terminal operations building	75 ft x 40 ft	3,000 ft ²
Maintenance building	35 ft x 35 ft	1,225 ft ²
Maintenance garage	40 ft x 75 ft	3,000 ft ²
Fuel storage tanks and containment (southern site boundary)	270 ft x 70 ft	18,900 ft ²
Fuel storage tanks and containment (eastern site boundary)	140 ft x 100 ft	14,000 ft ²
Miscellaneous (~10%)		4,000 ft ²
Estimated total		45,625 ft ²

* Building dimensions are estimated based on site map provided in Figure 1.

After demolition, the site team could evaluate the need for further investigation and remediation in areas where structures have been removed. Potential options for addressing contamination in those areas might include the following:

- Option 1 - The site team could investigate, delineate, and document contamination. Even if contamination is not removed, delineating it reduces risk to potential buyers because they can better quantify the cost of remediation and compare that cost with the value of the property.
- Option 2 - The site team could remove visible contamination (e.g., within one foot of the surface) and replace removed material with clean material to prevent direct exposure. This level of remediation could serve as a temporary solution that prevents direct exposure to contamination. Further remediation could occur, if necessary, during future site development.
- Option 3 - The site team could excavate contaminated soils with extensive free product to the water table (a depth of approximately 5 feet) and replace excavated material with clean material. No further excavation would likely be necessary. Although contamination would likely remain below the water table, it would be best addressed through long-term remedial activities.

Excavated soils could be recycled for asphalt, brick, or other construction material, or at worst, placed in a Subtitle D landfill. For the most part, the material on this site is likely non-hazardous. Petroleum products are not listed hazardous waste, this site is not a Superfund or RCRA site, benzene levels are not high enough to even consider the waste to be characteristically hazardous, and even if they were, the petroleum exemption to RCRA (40CFR 280) would keep the material non-hazardous. The only constituents that may be an issue are the chlorinated hydrocarbons that were detected in some of the tank samples. Prior to excavation, and certainly prior to disposal, soil samples should be collected to determine the extent chlorinated solvent contamination of soils. This sampling is especially merited if chlorinated solvents are found during ground water sampling events.

The estimated cost for removing the structures and the above presented options are provided in the following table. The NYSDEC would need to evaluate the cost of each item against available resources and the improved likelihood of selling the property. Without further information regarding the site and potential buyers, the RSE team would likely recommend pursuing the demolition followed by Option 1 and/or Option 2, depending on what is found at the surface when the structures are removed.

Item	Quantity	Unit Cost	Estimated Cost**
Demolition of site structures (i.e., tanks, buildings, pipes, loading docks, etc.)	50,000 ft ² of structures at an average height of 15 ft	\$0.42/cf *	\$430,000
Option 1 - Investigate, delineate, and document contamination beneath removed structures <ul style="list-style-type: none"> • work plan, etc. • 3 days of direct push sampling • installation of up to 4 monitoring wells • 2 rounds of sampling and analysis at new wells • documentation in a comprehensive report 			\$85,000
Option 2 - Excavation of contaminated soil beneath tanks, including transportation and non-hazardous disposal (270 ft x 70 ft and 140 ft x 100 ft containment areas to a depth of 1 foot)	1,200 cubic yards (~1,800 tons)	\$75/ton	\$185,000
Option 3 - Excavation of soil with extensive contamination to water table (270 ft x 70 ft and 140 ft x 100 ft containment areas to a depth of 5 feet plus an additional 500 cubic yards of miscellaneous soils)	6,600 cubic yards (~9,900 tons)	\$75/ton	\$1,000,000

* *Architects, Contractors, Engineers 2003 Guide to Construction Costs*

** *Cost includes a 10% markup for oversight plus an additional 25% for contingency*

6.1.3 DEVELOP A REVISED SITE CONCEPTUAL MODEL AND SET MEASURABLE OBJECTIVES

Site conditions will be substantially altered during tank removal and soil excavation. Site changes will likely include the destruction of some monitoring wells, removal of source material, and changes in infiltration and ground water flow patterns. A site conceptual model should be developed after the tanks are removed. Visual observations made during the excavation should add to the understanding of the site. Also, up to 4 to 5 additional monitoring wells in former tank locations may be needed to improve the current understanding of the site after demolition. Ground water monitoring should continue for at least four quarters after the excavation to determine water level and contaminant trends after the excavation. These trends could be the basis for determining the need for future active remediation or the potential for a more passive approach.

Potential receptors in the area and exposure pathways for those receptors should also be reevaluated given the understanding of new site conditions and data on chlorinated solvents and PAHs in ground water. Potential receptors include the English Kills, water supply wells in the area (if any), and indoor air in nearby buildings. Ground water sampling results to date do not suggest a substantial threat to supply wells or indoor air, but if chlorinated compounds are found in ground water, the pathway to all receptors should likely be evaluated.

To date, the objective has been to prevent discharge of free product to the English Kills. The discharge of free product to surface water has not been observed for a number of years. Although removal of the product is preferable, it may be technically impracticable without excavation well below the water table. Given the relatively low toxicity of No. 6 fuel oil, a containment-only objective for free product may be more appropriate, and that containment is already provided by its immobility.

The addition of the wells, the development of the site conceptual model, and the determination of applicable remediation objectives will likely require approximately \$30,000. This cost estimate does not include a full evaluation of indoor air because not enough information is available at this time to determine the scope of an appropriate evaluation or even if one is needed.

6.1.4 OBTAIN A DISCHARGE AGREEMENT AND COLLECT EFFLUENT SAMPLES

The site should have an appropriate discharge permit or agreement and discharge samples should be collected and analyzed for the applicable constituents. Currently treated water is discharged to the local sewer that is likely a combined sewer that routes water to a POTW under most circumstances. An agreement should be in place and in the DEC and contractor's possession so that appropriate sampling (i.e. quarterly TPH, BTEX, MTBE, and potentially chlorinated solvents) can be conducted and reported. It is estimated that the increase in costs due to sampling and reporting might be \$3,000 per year.

6.2 RECOMMENDATIONS TO REDUCE COSTS

The RSE team does not provide any specific cost reduction recommendations but does agree with the recent elimination of the VEFR events and the reduction in well gauging from biweekly to monthly. After another four quarters of ground water sampling, the RSE team advocates evaluating the potential for reducing the sampling frequency from quarterly to semi-annually. After these four additional quarters sufficient information should be available to determine concentration trends for both hydrocarbons and chlorinated hydrocarbons, if they are present.

6.3 MODIFICATIONS INTENDED FOR TECHNICAL IMPROVEMENT

6.3.1 IMPROVE REPORTS

The semi-annual reports are the primary mechanism for documenting site activities and performance and should be improved. Suggested improvements include eliminating or reducing errors and including information about ground water extracted and treated (i.e., flow rates and process sampling data discussed in Section 6.1.4). Errors identified by the RSE team in the July 2002 - November 2002 Site Status Monitoring Report include the following:

- Tables 1 and 2 have the incorrect site name, dates, and data.
- The figures are not numbered.
- The MTBE and BTEX plume maps do not accurately represent the concentrations.
- The ground water flow map shows depth to water data rather than water level elevations.

The RSE team recommends the use of bubble maps to indicate constituent concentrations. Because no interpolation is used, bubble maps provide the data rather than interpretations of the data. They are therefore easier to review and compare to data tables and are less prone to potential errors, inconsistencies, or potentially faulty interpretations. The bubble map might include a different symbol for those wells with free product or dissolved contamination, and may use a symbol that is increased or decreased in size depending on the product thickness or dissolved concentration. In order to convert water depths to water elevations, survey information is required. These are likely available in the old Fenley & Nicol reports where water elevations were calculated and plotted.

The RSE team estimates that about \$2,000 per year, in addition to the current expenditures, should be sufficient to improve the semiannual reports.

6.3.2 CONSIDER REMOVING THE GAC EFFLUENT TANK

The GAC effluent tank could be eliminated, allowing discharge directly from the GAC unit. This would eliminate a 0.5 hp pump and the heat trace requirements for the tank. Removing this tank and pump will save about \$500 per year in utility costs and simplify future system maintenance.

6.3.3 REPAIR INSULATION OR RELOCATE TREATMENT COMPONENTS

If the current treatment system is still used after implementing the recommendations in Section 6.1, the insulation on the treatment components should be repaired or the components should be located within a shelter. A flow meter should be added so that discharge flow can be recorded. About \$2,000 is necessary for the flow meter plus insulation repair. If another shed is purchased to house additional components the cost will likely increase by another \$3,000.

6.4 CONSIDERATIONS FOR GAINING SITE CLOSE OUT

6.4.1 CONSIDER AN ALTERNATIVE REMEDIAL APPROACH

Given its current function and the current objectives, the remediation system does not appear to be effective with respect to ground water remediation. The system most likely does not extract enough water to provide capture of free product or dissolved contamination and yet, due to the relative immobility of No. 6 fuel oil, no discharges of free product to surface water have occurred. In addition, little product is recovered (e.g., less than 20 gallons per year) even with the introduction of Biosolve and VEFR events. Therefore, the system is not effective for containment or restoration and does not appear necessary for containment of the free product.

Steam injection was mentioned during the site visit as a possible method for removing additional product. Although it may be successful in removal of localized product, implementation of a full scale system would be extremely expensive and has a relatively high probability of being unsuccessful site wide. The peat layer at 12 feet below ground surface impedes any chemical oxidation and aerobic bioremediation possibilities.

The only active remediation that would have a good chance of removing a substantial percentage of the petroleum mass at the site is excavation to below the water table. Boring logs indicate impacts to at least 20 feet below ground surface and impacts are likely present over most of the site (approximately 2 acres). The volume of soil requiring removal would be approximately 50,000 cubic yards or more, and a significant dewatering effort would be required during excavation. The cost of this effort would be above \$3,000,000 beyond the cost of the recommendations in Section 6.1. Excavation does not appear to be warranted at the site due to the apparent lack of exposure pathways and the relatively low toxicity of the fuel oil.

Assuming chlorinated solvent contamination is not found in ground water, the site team should consider passive skimming and periodic bailing of product from wells and institutional controls for long-term remediation. The ground water monitoring frequency could be reduced to annual in order to monitor the remaining dissolved MTBE/BTEX contamination. If benzene concentrations persist at FN-26, quarterly VEFR events at FN-26, FN-2, and FN-4 could be conducted for one year to decrease the concentrations.

The cost of implementing this approach is minimal compared to the costs of removing the tanks and excavating soil. The reduced scope for annual activities would eliminate the costs for system operation, electricity, and GAC replacement (\$10,500 per year). In addition, it would reduce the sampling and analysis costs by approximately \$5,000 per year. Total annual expenses might be under \$10,000 per year.

If dissolved ground water concentrations (e.g., chlorinated solvents) are sufficiently high to merit containment, the extraction system should be reworked to provide ample extraction. New extraction wells would likely be required, and the pumps should be replaced with currently available pneumatic submersible total fluids pumps. The monitoring program should also be adapted to evaluate the performance of plume capture. The specific modifications would require more information regarding the extent and magnitude of the dissolved constituents of concern, especially for the chlorinated solvents.

6.5 SUGGESTED APPROACH TO IMPLEMENTATION

The first priority should be to sample ground water for chlorinated solvents because many of the other decisions at the site require knowledge as to whether or not these constituents are present and the magnitude and extent of any contamination. Off-site investigation may be necessary if significant chlorinated solvent contamination is found.

The site structures and tanks should be removed as soon as possible. In addition, as described in Section 6.1.2, varying degrees of investigation and/or remediation could also be considered to facilitate sale of the property. A variety of site development options would be possible. Vapor toxicity is low and potential vapor intrusion could be addressed by design/construction methods. Businesses would likely be interested in the property due to its location, which would provide tax revenue to the city and potentially provide jobs in the neighborhood. With the greater potential for site development, the State and City would be more inclined to resolve the ownership/liens and outstanding tax issues. Eventually some of the costs spent in remediation would be recouped by the State and/or City. Moreover, the safety hazards and attractions to vagrants would be eliminated.

Other recommendations including the discharge agreement, removal of the GAC effluent tank, insulation repair, flow meter installation, report improvements and consideration of passive skimming/periodic bailing instead of total fluids pumping can be initiated concurrently with the site demolition or can be delayed until the post-demolition site conceptual model is developed.

7.0 SUMMARY

The observations and recommendations contained in this report are not intended to imply a deficiency in the work of either the system designers or operators but are offered as constructive suggestions in the best interest of the EPA and the public. These recommendations have the obvious benefit of being formulated based upon operational data unavailable to the original designers.

Recommendations for improving effectiveness in protecting human health and the environment include analyzing ground water samples for chlorinated solvents and PAHs, demolishing the site structures, investigating and/or excavating contaminated soils beneath those structures, revising the site conceptual model to account for the site conditions after the demolition and excavation, and obtaining a permit or agreement to discharge the treated water. No specific recommendations were offered for cost reduction; however, the RSE team does agree with the recent elimination of the VEFR events and reduction in well gauging frequency. Recommendations for technical improvement include improving the semi-annual reports and removing the GAC effluent tank from the treatment system. One recommendation for gaining site closeout, or more specially system closeout, is provided. It is to consider an alternative remedial approach based on institutional controls and passive skimming of free product. The rationale for this approach is the immobility and relatively low toxicity of the No. 6 fuel, the absence of free product discharges to surface water, and the high cost of removing the remaining free product and impacts that reach below the water table. The success of implementing this type of approach, however, is contingent on finding chlorinated solvent and PAH concentrations below standards.

Table 7-1 summarizes the costs and cost savings associated with each recommendation in Sections 6.1 through 6.3. Both capital and annual costs are presented. Also presented is the expected change in life-cycle costs over a 30-year period for each recommendation both with discounting (i.e., net present value) and without it.

Table 7-1. Cost Summary Table

Recommendation	Reason	Additional Capital Costs (\$)	Estimated Change in Annual Costs (\$/yr)	Estimated Change In Life-cycle Costs (\$)¹	Estimated Change In Life-cycle Costs (\$)²
6.1.1 Determine If Chlorinated Solvents and PAHs Are Present in Ground Water	Effectiveness	\$4,000	\$0	\$4,000	\$4,000
6.1.2 Improve The Site Condition By Demolishing Structures and Investigating and/or Excavating Underlying Contaminated Soils	Effectiveness	\$515,000 to \$1,430,000 ³	\$0	\$515,000 to \$1,430,000 ³	\$515,000 to \$1,430,000 ³
6.1.3 Develop A Revised Site Conceptual Model and Set Measurable Objectives	Effectiveness	\$30,000	\$0	\$30,000	\$30,000
6.1.4 Obtain A Discharge Agreement and Collect Effluent Samples	Effectiveness	\$0	\$3,000	\$90,000	\$48,500
6.3.1 Improve Reports	Technical Improvement	\$0	\$2,000	\$60,000	\$32,000
6.3.2 Consider Removing The GAC Effluent Tank	Technical Improvement	\$0	(\$500)	(\$15,000)	(\$8,000)
6.3.3 Repair Insulation or Relocate Treatment Components	Technical Improvement	\$2,000	\$0	\$2,000	\$2,000
6.4.1 Consider an Alternative Remedial Approach	Gain Site/System Closeout	\$0	(\$15,500)	(\$465,000)	(\$250,000)

Costs in parentheses imply cost reductions.

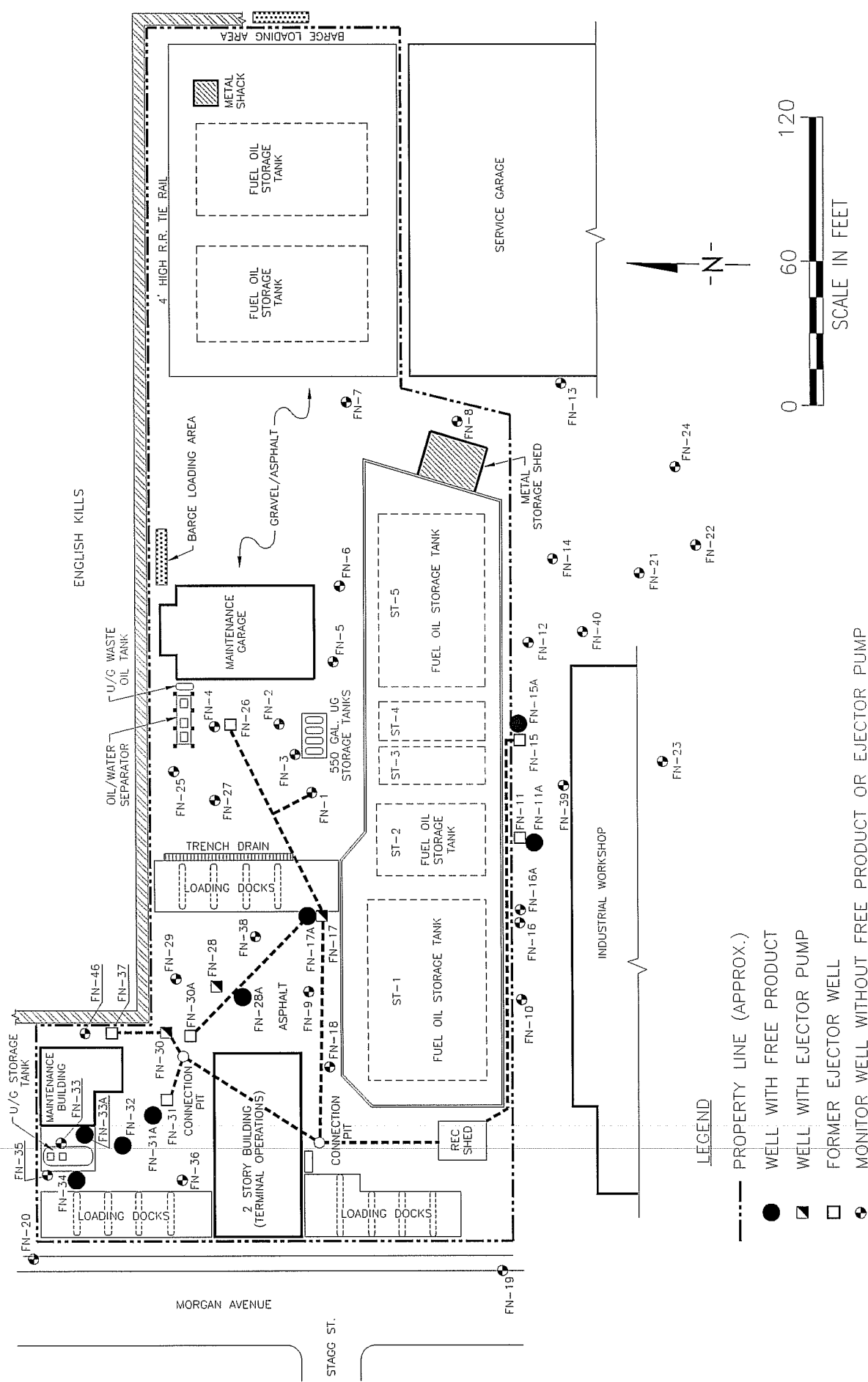
¹ assumes 30 years of operation with a discount rate of 0% (i.e., no discounting)

² assumes 30 years of operation with a discount rate of 5% and no discounting in the first year

³ Implementing any of the options in this recommendation could improve the potential for redevelopment that would provide increased tax revenues and other benefits.

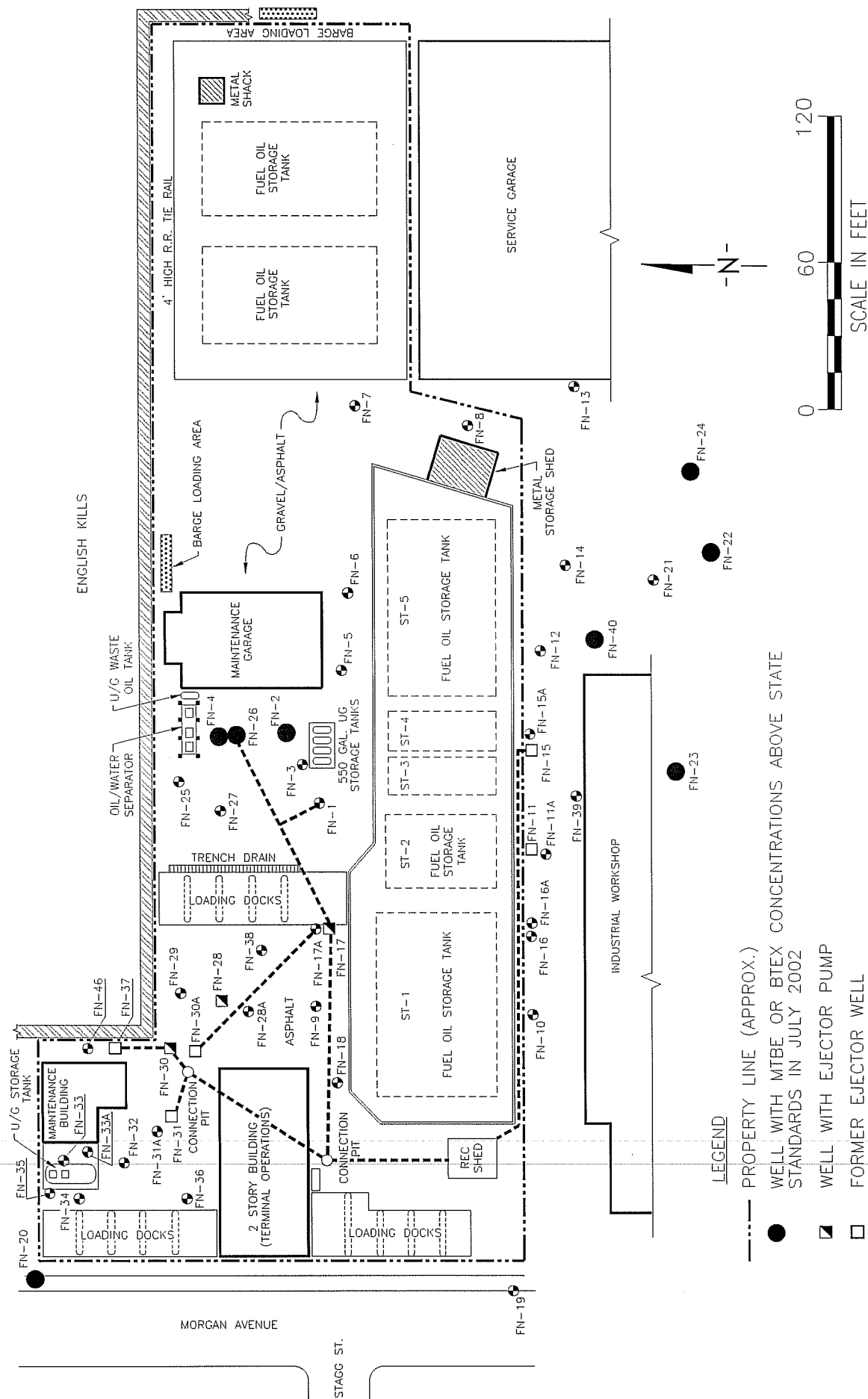
FIGURES

FIGURE 1-1. SITE MAP AND OBSERVED EXTENT OF FREE PRODUCT IN 2002.



(Note: This figure was generated based on site figures developed by Miller Environmental Group, Inc. and discussions during the RSE site visit.)

FIGURE 1-2. EXTENT OF DISSOLVED CONTAMINATION ABOVE THE MOST STRINGENT STATE STANDARDS AS OBSERVED IN JULY 2002.



(Note: This figure was generated based on site figures developed by Miller Environmental Group, Inc. and discussions during the RSE site visit.)

2004

SP 92402
SPILL # 9209135

PIN
FILE

REMEDIATION SYSTEM EVALUATION

MORGAN TERMINAL
BROOKLYN, NEW YORK

Report of the Remediation System Evaluation,
Site Visit Conducted at the Morgan Terminal Site
June 4, 2003

Final Report
June 11, 2004



NOTICE

Work described herein was performed by GeoTrans, Inc. (GeoTrans) for the U.S. Environmental Protection Agency (U.S. EPA). Work conducted by GeoTrans, including preparation of this report, was performed under S&K Technologies Prime Contract No. GS06T02BND0723 and under Dynamac Prime Contract No. 68-C-02-092, Work Assignment ST-1-08. Mention of trade names or commercial products does not constitute endorsement or recommendation for use.

EXECUTIVE SUMMARY

A Remediation System Evaluation (RSE) involves a team of expert hydrogeologists and engineers, independent of the site, conducting a third-party evaluation of site operations. It is a broad evaluation that considers the goals of the remedy, site conceptual model, above-ground and subsurface performance, and site exit strategy. The evaluation includes reviewing site documents, visiting the site for up to 1.5 days, and compiling a report that includes recommendations to improve the system. Recommendations with cost and cost savings estimates are provided in the following four categories:

- improvements in remedy effectiveness
- reductions in operation and maintenance costs
- technical improvements
- gaining site closeout

The recommendations are intended to help the site team identify opportunities for improvements. In many cases, further analysis of a recommendation, beyond that provided in this report, may be needed prior to implementation of the recommendation. Note that the recommendations are based on an independent evaluation by the RSE team, and represent the opinions of the RSE team. These recommendations do not constitute requirements for future action, but rather are provided for the consideration of all site stakeholders. This RSE report pertains to conditions that existed at the time of the RSE site visit, and any site activities that have occurred subsequent to the RSE site visit are not reflected in this RSE report.

The Morgan Terminal site is an abandoned oil terminal located at 200 Morgan Avenue in Brooklyn, New York. The site has historically been contaminated with diesel fuel, No.6 fuel oil, and BTEX/MTBE. Current contamination largely consists of No. 6 fuel oil and relatively low concentrations of BTEX/MTBE. The surrounding area is comprised of industrial facilities and warehouses. Morgan Avenue borders the site to the west and the English Kills borders the site to the north and east. Figure 1 depicts the primary features of the site and the site's location with respect to the English Kills.

Site-related contamination was first reported in 1992 by the Coast Guard when oil was found seeping into the English Kills. Between December 1992 and January 1993 a remedial investigation was conducted including the installation of 20 ground water monitoring wells and tank testing. The tanks were cleaned in 1994, and a remediation system became operational in June 1995. The State does not own the property. The current owner reportedly lives in Florida and, at the time of the interim consent order in 1994, over \$800,000 in back taxes were owed. The State has a lien on the property to recover costs if the property is ever sold.

The observations and recommendations contained in this report are not intended to imply a deficiency in the work of either the system designers or operators but are offered as constructive suggestions in the best interest of the EPA, the public, and the facility. These recommendations have the obvious benefit of being formulated based upon operational data unavailable to the original designers.

Recommendations to improve effectiveness in protecting human health and the environment are as follows:

- Analysis of chlorinated solvents and polynuclear aromatic hydrocarbons (PAHs) should be added to the ground water monitoring program for at least two quarters to determine if ground water is

contaminated with these constituents. It does not appear that ground water has been sampled for these constituents. Site records indicate that chlorinated solvents were present at the mg/L level in some of the tanks that may have leaked. PAHs are often associated with No. 6 fuel oil.

- The site structures, including the storage tanks and loading docks, should be removed. The contaminated soil found beneath these structures and located above the water table could be investigated and/or excavated. Although the property is in a favorable business location given its proximity to the water, the presence of these structures and the underlying contamination are substantial business risks. Removing these structures and either delineating or removing the underlying contamination will help the future development of the property and assist in remedial activities.
- The site conceptual model should be updated after the demolition and excavation. Changes in infiltration and ground water flow may be expected. In addition, much of the source material may be removed. The site conceptual model should also be updated with respect to chlorinated solvent or PAH contamination if any is detected in the above-recommended sampling and analysis.
- The site team could not locate a discharge permit for its remediation system and no sampling of the effluent is conducted. The discharge permit/agreement should either be located or a new one should be obtained and sampling should be conducted accordingly.

The RSE team does not provide any specific recommendations for cost reduction but does agree with recent cost reduction measures undertaken by the site team, including the elimination of vacuum enhanced fluid recovery events and a reduction in the well-gauging frequency. Recommendations are provided for technical improvement, including improving the site reports and simplifying the treatment system. One recommendation is provided for gaining site closeout, or rather, system closeout. It is to consider an alternative remedial approach based on institutional controls and passive skimming of free product. The rationale for this approach is the immobility and relatively low toxicity of the No. 6 fuel, the absence of free product discharges to surface water, and the high cost of removing the remaining free product and impacts that reach below the water table. The success of implementing this type of approach, however, is contingent on finding no significant chlorinated solvent and PAH ground water contamination.

A table summarizing the recommendations, including estimated costs and/or savings associated with those recommendations, is presented in Section 7.0 of this report.

PREFACE

This report was prepared as part of a pilot project conducted by the United States Environmental Protection Agency (USEPA) Office of Underground Storage Tanks (OUST) and Office of Superfund Remediation and Technology Innovation(OSRTI). The objective of this project is to conduct Remediation System Evaluations (RSEs) of pump and treat systems managed by State UST programs. The following organizations are implementing this project.

Organization	Key Contact	Contact Information
USEPA Office of Underground Storage Tanks (OUST)	Joe Vescio	Joseph P. Vescio EPA Headquarters 5401G Ariel Ross Building 1200 Pennsylvania Ave, N.W. Washington, D.C. 20460 phone: 703-603-0003 fax: 703-603-0175 vescio.joseph@epa.gov
USEPA Office of Superfund Remediation and Technology Innovation (USEPA OSRTI)	Kathy Yager	11 Technology Drive (ECA/OEME) North Chelmsford, MA 01863 phone: 617-918-8362 fax: 617-918-8427 yager.kathleen@epa.gov
USEPA Office of Superfund Remediation and Technology Innovation (USEPA OSRTI)	Ellen Rubin	5102G USEPA Headquarters Ariel Rios Building 1200 Pennsylvania Avenue, N. W. Washington, DC 20460 703-603-0141 rubin.ellen@epa.gov
GeoTrans, Inc. (Contractor to USEPA)	Doug Sutton	GeoTrans, Inc. 2 Paragon Way Freehold, NJ 07728 (732) 409-0344 Fax: (732) 409-3020 dsutton@geotransinc.com

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1.0 INTRODUCTION

1.1 PURPOSE

During fiscal years 2000, 2001, and 2002, Remediation System Evaluations (RSEs) were conducted at 24 Fund-lead pump and treat (P&T) sites (i.e., those sites with pump and treat systems funded and managed by Superfund and the States). Due to the opportunities for system optimization that arose from those RSEs, EPA OSRTI and OUST are performing a pilot study of conducting RSEs at UST sites. During fiscal year 2003, RSEs at up to 3 State-managed UST sites are planned in an effort to evaluate the effectiveness of this optimization tool for this class of sites. GeoTrans, Inc., an EPA contractor, is conducting these evaluations, and representatives from EPA OUST are attending the RSEs as observers.

The Remediation System Evaluation (RSE) process was developed by the US Army Corps of Engineers (USACE) and is documented on the following website:

<http://www.environmental.usace.army.mil/library/guide/rsechk/rsechk.html>

A RSE involves a team of expert hydrogeologists and engineers, independent of the site, conducting a third-party evaluation of site operations. It is a broad evaluation that considers the goals of the remedy, site conceptual model, above-ground and subsurface performance, and site exit strategy. The evaluation includes reviewing site documents, visiting the site for 1 to 1.5 days, and compiling a report that includes recommendations to improve the system. Recommendations with cost and cost savings estimates are provided in the following four categories:

- improvements in remedy effectiveness
- reductions in operation and maintenance costs
- technical improvements
- gaining site closeout

The recommendations are intended to help the site team (the responsible party, if one exists, and the regulators) identify opportunities for improvements. In many cases, further analysis of a recommendation, beyond that provided in this report, might be needed prior to implementation of the recommendation. Note that the recommendations are based on an independent evaluation by the RSE team, and represent the opinions of the RSE team. These recommendations do not constitute requirements for future action, but rather are provided for the consideration of all site stakeholders. This RSE report pertains to conditions that existed at the time of the RSE site visit, and any site activities that have occurred subsequent to the RSE site visit are not reflected in this RSE report.

The Morgan Terminal facility was selected by EPA OUST, in coordination with State agencies. This report provides a brief background on the site and current operations, a summary of the observations made during a site visit, and recommendations for changes and additional studies. The cost impacts of the recommendations are also discussed.

1.2 TEAM COMPOSITION

The team conducting the RSE consisted of the following individuals:

Rob Greenwald, Hydrogeologist, GeoTrans, Inc.
Peter Rich, Civil and Environmental Engineer, GeoTrans, Inc.
Doug Sutton, Water Resources Engineer, GeoTrans, Inc.

The RSE team was also accompanied by the following observers:

- Joe Vescio, EPA OUST
- Judy Barrows, EPA OUST

EPA-OUST is jointly conducting this RSE Pilot Study for UST sites with EPA-OSRTL.

1.3 DOCUMENTS REVIEWED

Author	Date	Title
NYSDEC	12/3/1992	Interim Order on Consent
Fenley & Nicol Environmental	3/6/1993	Subsurface Investigation at Morgan Terminal
Fenley & Nicol Environmental	2/14/1995	Remediation Proposal, Morgan Terminal
Fenley & Nicol Environmental	6/20/1996	Status Report - November 1995 - April 1996
Fenley & Nicol Environmental	2/26/1997	Semi-Annual Status Report Morgan Terminal
Fenley & Nicol Environmental	4/9/1998	Status Report, Morgan Oil Terminal
Fenley & Nicol Environmental	3/2/1999	Status Report, Morgan Oil Terminal
Fenley & Nicol Environmental	8/14/1999	Status Report, Morgan Oil Terminal, July 1998 - March 1999
Miller Environmental Group	6/2001	Site Status Report, January 2001 - June 2001
EcoTest Laboratories, Inc.	7/26/2001	Laboratory Data
EcoTest Laboratories, Inc.	8/8/2002	Laboratory Data
Miller Environmental Group	11/2002	Site Status Monitoring Report, July 2002 - November 2002

1.4 PERSONS CONTACTED

The following individuals associated with the site were present for the visit:

- Skip Taylor, Miller Environmental Group
- Louis Nardolillo, Miller Environmental Group
- Karen Sheridan, Miller Environmental Group
- Jennifer Rommel, NYSDEC
- Kerry Foley, NYSDEC
- Jeff Vought, NYSDEC
- Ben Singh, EPA Region II

1.5 SITE LOCATION, HISTORY, AND CHARACTERISTICS

1.5.1 LOCATION

The Morgan Terminal site is an abandoned oil terminal located at 200 Morgan Avenue in Brooklyn, New York. The site consists of a two story terminal operations building and maintenance building, seven bulk fuel oil storage tanks, and several underground storage tanks. The site has historically been impacted by diesel fuel and No. 6 fuel oil and dissolved hydrocarbons. Current contamination largely consists of No. 6 fuel oil. The surrounding area is comprised of industrial facilities and warehouses. Morgan Avenue borders the site to the west, the English Kills borders the site to the north and east, and an alley and other industrial properties border the site to the south. Figure 1-1 depicts the primary features of the site and the site's location with respect to the English Kills.

Site-related contamination was first reported in 1992 by the Coast Guard when oil was found seeping into the English Kills. Between December 1992 and January 1993 a remedial investigation (RI) was conducted including the installation of 20 ground water monitoring wells and tank testing. Primary recommendations included additional subsurface investigation, removal of floating product from monitoring wells, emptying and cleaning of tanks, and design of a remediation system. Additional investigations have occurred and the site now has over 40 monitoring wells. The tanks were cleaned in 1994, and a remediation system became operational in June 1995.

The State does not own the property. The current owner reportedly lives in Florida and, at the time of the interim consent order in 1994, over \$800,000 in back taxes were owed. The State has a lien on the property to recover costs if the property is ever sold.

1.5.2 POTENTIAL SOURCES

The fuel-oil storage tanks and other operations were the likely sources of contamination. The following table outlines for each storage tank the construction material, capacity, and former contents. Other smaller underground storage tanks are also present on the site and are indicated on Figure 1-1.

Tank Number	Type	Capacity	Product Formerly Stored
1	Steel/Carbon Steel	645,000	Nos. 5 or 6 Fuel Oil
2	Steel/Carbon Steel	7,000	Nos. 1, 2, or 4 Fuel Oil
3	Steel/Carbon Steel	55,000	Nos. 1, 2, or 4 Fuel Oil
4	Steel/Carbon Steel	67,000	Nos. 1, 2, or 4 Fuel Oil
5	Steel/Carbon Steel	507,000	Nos. 5 or 6 Fuel Oil
6	Steel/Carbon Steel	400,000	Nos. 1, 2, or 4 Fuel Oil
7	Steel/Carbon Steel	244,000	Nos. 1, 2, or 4 Fuel Oil

→ Though some tanks have been removed and other tanks have been cleaned, the conditions beneath the large storage tanks (including ST-1 through ST-5 on Figure 1-1) have not been investigated and this area may have significant free product in the soil. The wells with the highest dissolved hydrocarbon concentrations (in the vicinity of FN-26) are not near the wells with free product as shown in Figures 1-1 and 1-2, but the remaining free product at the site may serve as a continuing source for other dissolved phase contamination. Analysis of the contents from some of the tanks in 1994 revealed chlorinated hydrocarbons (tetrachloroethene, 1,1,1-tetrachloroethane, and trichloroethene) at the mg/L level. As of the RSE site visit, ground water samples had not been analyzed for these constituents.

It is generally understood that the free product remaining at the site is No. 6 fuel oil and that the majority of the lighter oils have either discharged to the English Kills or have been removed with the remediation system.

1.5.3 HYDROGEOLOGIC SETTING

According to the 1993 subsurface investigation conducted by Fenley & Nicol, the site is underlain by dark, very loose to medium compacted, fine to medium-grained sand with traces of pebbles, silt, brick, and concrete (fill). The predominant native formation consists of fine to medium sand with traces of pebbles. A peat layer is present at 12 feet below ground surface. The ground water table is generally 2 to 6 feet below ground surface.

Ground water flow is generally to the northwest toward the English Kills at an approximate hydraulic gradient of 0.01 feet/foot. Ground water flow, however, is substantially influenced by mounding near the storage tanks. As a result, ground water near the southern boundary of the property flows off site to the south. MTBE contamination has been found over 50 feet to the south of the site (FN-22 as depicted in Figure 1-2).

The wells yield very little water (i.e., approximately 1 gpm) but this may be predominantly due to fouling of the wells over time rather than the hydraulic properties of the aquifer. No record of pump tests were found, and the extraction rate of the remediation system is not provided. For reference, however, approximately 625 gallons of total fluids were removed by 5 vacuum enhanced fluid recovery events conducted in two wells (FN-11A and FN-15A), or approximately 6 gallons of total fluids per well per event.

1.5.4

RECEPTORS

The primary receptor is the English Kills. Discharges to the English Kills are no longer visible and may not be occurring. No investigation of the Kills or its sediments has taken place since the original reporting of the contamination.

Workers would also be potential receptors if trenching or other subsurface activity is required. Though not specifically identified from a well search, supply wells are present in the area, including one that is advertised at a car wash along on Morgan Avenue. This well or other wells are not likely receptors unless substantial dissolved contamination is present. Ground water sampling and analysis to date suggest that dissolved hydrocarbon contamination is not a threat to these receptors; however, samples have not been analyzed for chlorinated hydrocarbons.

1.5.5

DESCRIPTION OF GROUND WATER PLUME

Contaminants of concern include both free product and dissolved phase contamination. Figure 1-1 depicts the site monitoring wells and indicates those where free product has recently been observed. Figure 1-2 depicts the extent of MTBE and BTEX (benzene, toluene, ethylbenzene, and xylene) dissolved phase contamination. Although the extent of free product is smaller than it historically has been, the remaining free product is generally No. 6 fuel oil, which has been difficult to remove through either extraction or in-situ degradation.

Ground water samples have only been analyzed for hydrocarbons, including BTEX and MTBE. Although concentrations are above State standards in some locations, they are generally within an order of magnitude of the standards, with the exception of benzene in a limited area around FN-26. Although chlorinate hydrocarbons were detected within some of the storage tanks in 1994 at the mg/L range, ground water samples have not been analyzed for these constituents.

2.0 SYSTEM DESCRIPTION

2.1 SYSTEM OVERVIEW

The remediation system became operational in June 1995, extracts ground water from select monitoring wells, and treats the water prior to discharge to the sewer. Historically, extraction has been achieved from 10 monitoring wells outfitted with ejector pumps that are powered by a 5 HP compressor. At the time of the RSE site visit, only three of the pumps (FN-17, FN-28, and FN-30) were working, and the total extraction flow rate was estimated to be about 1 gpm. FN-37 was also online but was not functional.

The total fluids (both free product and water) are pumped to the head of the treatment system and flow by gravity through phase separation components before being pumped through GAC and then pumped to the discharge point. The treatment system as a whole consists of the following components:

- 1,000 gallon oil/water separator tank
- 550 gallon oil collection tank with secondary containment
- secondary 300 gallon separator
- 275-gallon influent tank with Teel 0.5 HP sump pump
- 55 gallon Carbtrol GAC vessel
- 275-gallon effluent tank with Teel 0.5 HP sump pump

The pumps are operated by level switches. Hi-hi switches are provided at the pumped tanks and the oil collection tank to prevent spills by stopping the compressor if a hi-hi level is reached. System piping is 2-inch diameter Schedule 40 PVC. The GAC unit is located in a shed with the compressor. All other components are outside and are insulated and heat traced.

Ground water extraction and treatment was augmented by vacuum enhanced fluid recovery (VEFR) that was conducted by a mobile unit. VEFR was discontinued in 2002, due to low recovery.

2.2 MONITORING PROGRAM

The monitoring program has historically consisted of gauging wells on a bi-weekly basis, but has recently been modified to gauging wells on a monthly basis and conducting quarterly sampling and analysis for BTEX and MTBE at approximately 9 perimeter well (FN-7, FN-13, FN-19, FN-20, FN-21, FN-23, FN-25, FN-29, and FN-46). For sampling, the wells are purged by low-flow pumps and the samples are taken with bailers. Wells are not sampled if free product is observed. EPA Method 602 is used for analysis. Although product thickness is measured, the measurements are not accurate because the No. 6 fuel oil coats the interface probe and prevents an accurate reading of the oil/water interface. Site status reports are provided to NYSDEC on a semi-annual basis.

The treatment plant influent and effluent are not sampled and the extraction rate is not measured.

3.0 SYSTEM OBJECTIVES, PERFORMANCE AND CLOSURE CRITERIA

3.1 CURRENT SYSTEM OBJECTIVES AND CLOSURE CRITERIA

The remediation goals are not clearly stated in the reports, but NYSDEC stated during the site visit that the goal is to eliminate measurable product. The presence of dissolved BTEX and MTBE contamination also suggests that site goals include decreasing the ground water concentrations to below applicable standards. The following table outlines the most stringent NYSDEC ground water standards for BTEX and MTBE as well as the chlorinated hydrocarbons that were detected in the storage tanks in 1994. The applicable standards for this site might be less stringent depending on the classification of ground water and surface water in the area.

Contaminant	NYSDEC Standard
Benzene	1 ug/L
Ethylbenzene	5 ug/L
Toluene	5 ug/L
Xylene (each isomer)	5 ug/L
MTBE	10 ug/L
Trichloroethene	5 ug/L
Tetrachloroethene	5 ug/L
1,1,1-Trichloroethane	5 ug/L

3.2 TREATMENT PLANT OPERATION STANDARDS

NYSDEC representatives at the RSE site visit did not know if there is a permit to discharge treated water to the sewer or where water in the sewer is discharged. Sampling of the effluent is not conducted.

4.0 FINDINGS AND OBSERVATIONS FROM THE RSE SITE VISIT

4.1 FINDINGS

The observations provided below are not intended to imply a deficiency in the work of the system designers, system operators, or site managers but are offered as constructive suggestions in the best interest of the EPA, NYSDEC, and the public. These observations obviously have the benefit of being formulated based upon operational data unavailable to the original designers. Furthermore, it is likely that site conditions and general knowledge of ground water remediation have changed over time.

4.2 SUBSURFACE PERFORMANCE AND RESPONSE

4.2.1 PLUME CAPTURE

Although the original extraction system, comprised of 10 extraction wells, might have provided sufficient extraction to provide a hydraulic barrier between the contamination and the English Kills, the current system, comprised of 3 to 4 wells pumping approximately 1 gpm, likely does not. As stated by NYSDEC and their contractors during the site visit, the system is operating to maximize product removal.

4.2.2 AQUIFER RESTORATION

Discharges to the English Kills are no longer observable. Although free product is present, it is relatively immobile. This immobility prevents further discharge to surface water, but it also complicates extracting it from the subsurface. The site team estimates that approximately 10 to 20 gallons of product were removed during the past year of system operation. In addition, VEFR events conducted in 2002 generally recovered little product, and additions of Biosolve did not prove effective. As a result, the VEFR events have been discontinued. The following monitoring wells had observable free product between July and October 2002: FN-11a, FN-15a, FN-17a, FN-28a, FN-31a, FN-32, FN-33a, FN-34. These wells are indicated on Figure 1. The product thickness is not provided. Accurate measurements could not be obtained because the oil coated the interface probe and prevented it from identifying the product/water interface.

Dissolved BTEX and MTBE contamination exceed standards in few of the site wells. The following table presents those monitoring wells where dissolved contamination exceeded standards in July 2002. This dissolved contamination is also presented in Figure 1-2. The operating recovery wells are not in the vicinity of the monitoring wells with elevated dissolved contaminant concentrations. Wells with free product were not sampled but might have included dissolved contamination.

Monitoring Well	MTBE (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylene* (ug/L)
State Standard	10	1	5	5	5
FN-2	12	85	3	<1	<2
FN-4	27	15	13	10	50
FN-20	<1	<1	5	15	69
FN-22	4	<1	<1	2	15
FN-23	20	<1	<1	<1	<2
FN-24	19	<1	<1	<1	<2
FN-26	94	130	5	1	7
FN-40	51	<1	<1	<1	<2

* There are multiple isomers for xylenes. The concentration for the isomer with the highest concentration is presented.

4.3 COMPONENT PERFORMANCE

4.3.1 EXTRACTION SYSTEM WELLS, PUMPS, AND HEADER

The majority of the ejector pumps are not operating because they are in need of repair. The pumps are now obsolete and, as a result, the parts are hard to obtain. According to the site contractor, the timing mechanisms are the most troublesome aspects. Parts have been used from some pumps to keep others running.

The low well yield may partially be due to fouling of the well screens. Cleaning of the wells is planned for the Summer of 2003.

4.3.2 SEPARATORS

The separators appear to be functioning as intended. Separated product from the primary separator is discharged to a storage tank. The product in the secondary separator, however, must be removed manually. During the RSE site visit there was thin layer of product in the bottom of the secondary containment structure for the primary separator. The separators and the other tanks outside of the maintenance shed are insulated and heat traced. Freezing has not been a problem.

4.3.3 GAC

The GAC is replaced approximately 3 times per year based on an increase in pressure to 10 psi or greater. No sampling of the influent and effluent is conducted, so the performance of the GAC cannot be determined.

4.4 COMPONENTS OR PROCESSES THAT ACCOUNT FOR MAJORITY OF ANNUAL COSTS

The approximate annual O&M costs were discussed during the RSE site visit. Based on the input from the contractors, the RSE team estimates that O&M will cost approximately \$22,000 in the upcoming

years. This is a decrease in O&M cost from previous years primarily due to reductions in scope, such as the elimination of the VEFR events and reduction of well gauging frequency from biweekly to monthly.

Item Description	Estimated Cost per Year
System operation and maintenance	\$6,000
Semi-annual reporting	\$2,400
Sampling and well gauging	\$3,500
Electricity	\$3,300
GAC replacement	\$1,200
Laboratory analysis	\$5,200
Total Estimated Cost	\$21,600

4.4.1 UTILITIES

The site utilities are primarily due to the compressor and process pumps. Electricity bills suggest that the site uses, on average, 55 kWh per day at a cost of \$0.16 per kWh. This translates to approximately \$3,200 per year. Service and miscellaneous charges of approximately \$100 brings the total annual electricity cost to approximately \$3,300 per year.

4.4.2 NON-UTILITY CONSUMABLES AND DISPOSAL COSTS

GAC is the only consumable used at the site. Replacements occur approximately 3 times per year at a cost of approximately \$400, including GAC, labor, and disposal. There is apparently no cost for discharging treated water to the sewer.

4.4.3 LABOR

Labor primarily consists of servicing the treatment system and ejector pumps, sampling, gauging, and reporting. Project management is included in the costs, and a discount is provided to the State.

4.4.4 CHEMICAL ANALYSIS

Chemical analysis costs are estimated by the RSE team assuming approximately \$100 per sample and 13 samples per quarterly event, including QA/QC samples.

4.5 RECURRING PROBLEMS OR ISSUES

The ejector pumps require frequent servicing and parts are difficult to obtain. Another recurring problem is the inability to obtain an accurate product thickness measurement. When submerged into the free product, the interface probe is coated with the No. 6 fuel oil and cannot detect the interface between the product and the underlying water.

During the RSE site visit, one of the well vaults was flooded, allowing free product to rise to within an inch of ground surface.

The site also faces a security issue. The New York Police Department, in cooperation with NYSDEC, conducts frequent raids to address vagrants, trespassers, and associated criminal acts.

4.6 REGULATORY COMPLIANCE

The site team is unaware of a discharge permit, and no effluent sampling is conducted. It is therefore difficult to determine if the treatment system is in compliance.

4.7 TREATMENT PROCESS EXCURSIONS AND UPSETS, ACCIDENTAL CONTAMINANT/REAGENT RELEASES

The site team did not indicate any treatment process excursions or releases.

4.8 SAFETY RECORD

The site team did not indicate any reportable incidents.

5.0 EFFECTIVENESS OF THE SYSTEM TO PROTECT HUMAN HEALTH AND THE ENVIRONMENT

5.1 GROUND WATER

Under the current conceptual model, surface water is the only receptor of contaminated ground water. However, there may be private water supply wells in the area. Because the No. 6 fuel oil is relatively immobile, it does not pose an immediate threat to supply wells, if they are present. Dissolved BTEX/MTBE contamination is present in relatively low concentrations and should not adversely affect nearby potential receptors. Dissolved chlorinated compounds might be present in the subsurface but have not been sampled in ground water as part of the site activities. If chlorinated compounds are present in the ground water, they might be the most likely contaminants to impact nearby supply wells.

5.2 SURFACE WATER

Surface water was historically affected by discharges of fuel oil from ground water. Such discharges, however, have not been visually observed since the site characterization and remedial activities began in 1994. Dissolved contamination might be discharging to surface water. Dissolved BTEX/MTBE is present at low concentrations but above State standards. The remediation system likely does not provide a hydraulic barrier between contamination sources and surface water. Dissolved contamination is not expected to adversely impact surface water unless substantial chlorinated solvent contamination is detected. The surface water quality has not been determined as part of the site activities, but if contamination is detected in surface water it could result from other facilities.

5.3 AIR

Indoor air has not been considered a potential receptor at this site. Dissolved site-related hydrocarbons are relatively limited in extent and sufficiently low in concentration that they are likely not adversely affecting indoor air at any of the neighboring buildings. Chlorinated hydrocarbons, if present in sufficient quantities, could adversely affect indoor air quality of surrounding buildings or of future buildings on this site. Benzene in the vicinity of FN-26 could potentially adversely affect indoor air quality if the concentrations do not decline and the property is developed without appropriate engineering controls.

5.4 SOILS

The site is covered in either concrete or asphalt, and contaminated soils are not present at the surface. Subsurface activities, such as trenching and construction, however, could expose workers to contaminated soils.

5.5 WETLANDS AND SEDIMENTS

There are no wetlands in the vicinity of the site. Sediments in the English Kills have not been sampled as part of the site activities. If they are contaminated, the contamination is not necessarily due to the Morgan Oil site given the presence of other industrial facilities in the area.

6.0 RECOMMENDATIONS

Cost estimates provided herein have levels of certainty comparable to those done for CERCLA Feasibility Studies (-30/+50%), and these cost estimates have been prepared in a manner consistent with EPA 540-R-00-002, *A Guide to Developing and Documenting Cost Estimates During the Feasibility Study*, July 2000.

6.1 RECOMMENDATIONS TO IMPROVE EFFECTIVENESS

6.1.1 DETERMINE IF CHLORINATED SOLVENTS AND PAHS ARE PRESENT IN GROUND WATER

Analysis of liquid in Tank #5 and a vacuum truck on June 21, 1994 indicate elevated concentrations (e.g. over 1 mg/L) of tetrachloroethene, trichloroethene, 1,1,1-trichloroethane, and trichlorofluoromethane. Given the history of discharges from tanks at this facility, there is potential for these contaminants to be present in ground water. In addition, some potentially hazardous polynuclear aromatic hydrocarbons (PAHs) are typically associated with No. 6 fuel oil and may be present in the dissolved phase. There is no indication in site records that chlorinated solvent or PAH contamination of ground water has been investigated as part of site activities. These compounds should be added to the ground water monitoring program for two quarters and should be included in the ground water monitoring program for longer if they are detected in ground water above State standards. This recommendation could be implemented by analyzing the samples from the next two events with method 8260b and 8270c instead of method 602. The added cost should be less than \$4,000 for the two events. If the current monitoring network does not adequately delineate the plume of these newly analyzed constituents, then additional investigation may be required.

6.1.2 IMPROVE THE SITE CONDITION BY DEMOLISHING STRUCTURES AND INVESTIGATING AND/OR EXCAVATING UNDERLYING CONTAMINATED SOILS

The property is not maintained, is a safety hazard, and an attraction for vagrants and vandals. Furthermore, although the property is in a promising location for potential businesses and could provide the city with additional tax revenue, the site contamination and presence of the tanks and decrepit infrastructure makes acquiring the property a substantial business risk.

In addition to improving the site aesthetically and improving the probability of development, removal of the derelict equipment and structures will allow investigation and remediation of the site to proceed unimpeded. The site tanks (including retaining/containment walls and mounded soil), structures, pipes, and loading racks should be removed. The concrete and steel could be disposed in a C&D landfill or recycled. Some cleaning would be necessary to remove oil staining. Based on a review of the site map, the footprint of all structures on the property is as follows:

Structure	Dimensions*	Estimated Footprint
3 loading docks	20 ft x 75 ft (each)	1,500 ft ²
Terminal operations building	75 ft x 40 ft	3,000 ft ²
Maintenance building	35 ft x 35 ft	1,225 ft ²
Maintenance garage	40 ft x 75 ft	3,000 ft ²
Fuel storage tanks and containment (southern site boundary)	270 ft x 70 ft	18,900 ft ²
Fuel storage tanks and containment (eastern site boundary)	140 ft x 100 ft	14,000 ft ²
Miscellaneous (~10%)		4,000 ft ²
Estimated total		45,625 ft ²

* Building dimensions are estimated based on site map provided in Figure 1.

After demolition, the site team could evaluate the need for further investigation and remediation in areas where structures have been removed. Potential options for addressing contamination in those areas might include the following:

- Option 1 - The site team could investigate, delineate, and document contamination. Even if contamination is not removed, delineating it reduces risk to potential buyers because they can better quantify the cost of remediation and compare that cost with the value of the property.
- Option 2 - The site team could remove visible contamination (e.g., within one foot of the surface) and replace removed material with clean material to prevent direct exposure. This level of remediation could serve as a temporary solution that prevents direct exposure to contamination. Further remediation could occur, if necessary, during future site development.
- Option 3 - The site team could excavate contaminated soils with extensive free product to the water table (a depth of approximately 5 feet) and replace excavated material with clean material. No further excavation would likely be necessary. Although contamination would likely remain below the water table, it would be best addressed through long-term remedial activities.

Excavated soils could be recycled for asphalt, brick, or other construction material, or at worst, placed in a Subtitle D landfill. For the most part, the material on this site is likely non-hazardous. Petroleum products are not listed hazardous waste, this site is not a Superfund or RCRA site, benzene levels are not high enough to even consider the waste to be characteristically hazardous, and even if they were, the petroleum exemption to RCRA (40CFR 280) would keep the material non-hazardous. The only constituents that may be an issue are the chlorinated hydrocarbons that were detected in some of the tank samples. Prior to excavation, and certainly prior to disposal, soil samples should be collected to determine the extent chlorinated solvent contamination of soils. This sampling is especially merited if chlorinated solvents are found during ground water sampling events.

The estimated cost for removing the structures and the above presented options are provided in the following table. The NYSDEC would need to evaluate the cost of each item against available resources and the improved likelihood of selling the property. Without further information regarding the site and potential buyers, the RSE team would likely recommend pursuing the demolition followed by Option 1 and/or Option 2, depending on what is found at the surface when the structures are removed.

Item	Quantity	Unit Cost	Estimated Cost**
Demolition of site structures (i.e., tanks, buildings, pipes, loading docks, etc.)	50,000 ft ² of structures at an average height of 15 ft	\$0.42/cf *	\$430,000
Option 1 - Investigate, delineate, and document contamination beneath removed structures <ul style="list-style-type: none"> • work plan, etc. • 3 days of direct push sampling • installation of up to 4 monitoring wells • 2 rounds of sampling and analysis at new wells • documentation in a comprehensive report 			\$85,000
Option 2 - Excavation of contaminated soil beneath tanks, including transportation and non-hazardous disposal (270 ft x 70 ft and 140 ft x 100 ft containment areas to a depth of 1 foot)	1,200 cubic yards (~1,800 tons)	\$75/ton	\$185,000
Option 3 - Excavation of soil with extensive contamination to water table (270 ft x 70 ft and 140 ft x 100 ft containment areas to a depth of 5 feet plus an additional 500 cubic yards of miscellaneous soils)	6,600 cubic yards (~9,900 tons)	\$75/ton	\$1,000,000

* Architects, Contractors, Engineers 2003 Guide to Construction Costs

** Cost includes a 10% markup for oversight plus an additional 25% for contingency

6.1.3 DEVELOP A REVISED SITE CONCEPTUAL MODEL AND SET MEASURABLE OBJECTIVES

Site conditions will be substantially altered during tank removal and soil excavation. Site changes will likely include the destruction of some monitoring wells, removal of source material, and changes in infiltration and ground water flow patterns. A site conceptual model should be developed after the tanks are removed. Visual observations made during the excavation should add to the understanding of the site. Also, up to 4 to 5 additional monitoring wells in former tank locations may be needed to improve the current understanding of the site after demolition. Ground water monitoring should continue for at least four quarters after the excavation to determine water level and contaminant trends after the excavation. These trends could be the basis for determining the need for future active remediation or the potential for a more passive approach.

Potential receptors in the area and exposure pathways for those receptors should also be reevaluated given the understanding of new site conditions and data on chlorinated solvents and PAHs in ground water. Potential receptors include the English Kills, water supply wells in the area (if any), and indoor air in nearby buildings. Ground water sampling results to date do not suggest a substantial threat to supply wells or indoor air, but if chlorinated compounds are found in ground water, the pathway to all receptors should likely be evaluated.

To date, the objective has been to prevent discharge of free product to the English Kills. The discharge of free product to surface water has not been observed for a number of years. Although removal of the product is preferable, it may be technically impracticable without excavation well below the water table. Given the relatively low toxicity of No. 6 fuel oil, a containment-only objective for free product may be more appropriate, and that containment is already provided by its immobility.

The addition of the wells, the development of the site conceptual model, and the determination of applicable remediation objectives will likely require approximately \$30,000. This cost estimate does not include a full evaluation of indoor air because not enough information is available at this time to determine the scope of an appropriate evaluation or even if one is needed.

6.1.4 OBTAIN A DISCHARGE AGREEMENT AND COLLECT EFFLUENT SAMPLES

The site should have an appropriate discharge permit or agreement and discharge samples should be collected and analyzed for the applicable constituents. Currently treated water is discharged to the local sewer that is likely a combined sewer that routes water to a POTW under most circumstances. An agreement should be in place and in the DEC and contractor's possession so that appropriate sampling (i.e. quarterly TPH, BTEX, MTBE, and potentially chlorinated solvents) can be conducted and reported. It is estimated that the increase in costs due to sampling and reporting might be \$3,000 per year.

6.2 RECOMMENDATIONS TO REDUCE COSTS

The RSE team does not provide any specific cost reduction recommendations but does agree with the recent elimination of the VEFR events and the reduction in well gauging from biweekly to monthly. After another four quarters of ground water sampling, the RSE team advocates evaluating the potential for reducing the sampling frequency from quarterly to semi-annually. After these four additional quarters sufficient information should be available to determine concentration trends for both hydrocarbons and chlorinated hydrocarbons, if they are present.

6.3 MODIFICATIONS INTENDED FOR TECHNICAL IMPROVEMENT

6.3.1 IMPROVE REPORTS

The semi-annual reports are the primary mechanism for documenting site activities and performance and should be improved. Suggested improvements include eliminating or reducing errors and including information about ground water extracted and treated (i.e., flow rates and process sampling data discussed in Section 6.1.4). Errors identified by the RSE team in the July 2002 - November 2002 Site Status Monitoring Report include the following:

- Tables 1 and 2 have the incorrect site name, dates, and data.
- The figures are not numbered.
- The MTBE and BTEX plume maps do not accurately represent the concentrations.
- The ground water flow map shows depth to water data rather than water level elevations.

The RSE team recommends the use of bubble maps to indicate constituent concentrations. Because no interpolation is used, bubble maps provide the data rather than interpretations of the data. They are therefore easier to review and compare to data tables and are less prone to potential errors, inconsistencies, or potentially faulty interpretations. The bubble map might include a different symbol for those wells with free product or dissolved contamination, and may use a symbol that is increased or decreased in size depending on the product thickness or dissolved concentration. In order to convert water depths to water elevations, survey information is required. These are likely available in the old Fenley & Nicol reports where water elevations were calculated and plotted.

The RSE team estimates that about \$2,000 per year, in addition to the current expenditures, should be sufficient to improve the semiannual reports.

6.3.2 CONSIDER REMOVING THE GAC EFFLUENT TANK

The GAC effluent tank could be eliminated, allowing discharge directly from the GAC unit. This would eliminate a 0.5 hp pump and the heat trace requirements for the tank. Removing this tank and pump will save about \$500 per year in utility costs and simplify future system maintenance.

6.3.3 REPAIR INSULATION OR RELOCATE TREATMENT COMPONENTS

If the current treatment system is still used after implementing the recommendations in Section 6.1, the insulation on the treatment components should be repaired or the components should be located within a shelter. A flow meter should be added so that discharge flow can be recorded. About \$2,000 is necessary for the flow meter plus insulation repair. If another shed is purchased to house additional components the cost will likely increase by another \$3,000.

6.4 CONSIDERATIONS FOR GAINING SITE CLOSE OUT

6.4.1 CONSIDER AN ALTERNATIVE REMEDIAL APPROACH

Given its current function and the current objectives, the remediation system does not appear to be effective with respect to ground water remediation. The system most likely does not extract enough water to provide capture of free product or dissolved contamination and yet, due to the relative immobility of No. 6 fuel oil, no discharges of free product to surface water have occurred. In addition, little product is recovered (e.g., less than 20 gallons per year) even with the introduction of Biosolve and VEFR events. Therefore, the system is not effective for containment or restoration and does not appear necessary for containment of the free product.

Steam injection was mentioned during the site visit as a possible method for removing additional product. Although it may be successful in removal of localized product, implementation of a full scale system would be extremely expensive and has a relatively high probability of being unsuccessful site wide. The peat layer at 12 feet below ground surface impedes any chemical oxidation and aerobic bioremediation possibilities.

The only active remediation that would have a good chance of removing a substantial percentage of the petroleum mass at the site is excavation to below the water table. Boring logs indicate impacts to at least 20 feet below ground surface and impacts are likely present over most of the site (approximately 2 acres). The volume of soil requiring removal would be approximately 50,000 cubic yards or more, and a significant dewatering effort would be required during excavation. The cost of this effort would be above \$3,000,000 beyond the cost of the recommendations in Section 6.1. Excavation does not appear to be warranted at the site due to the apparent lack of exposure pathways and the relatively low toxicity of the fuel oil.

Assuming chlorinated solvent contamination is not found in ground water, the site team should consider passive skimming and periodic bailing of product from wells and institutional controls for long-term remediation. The ground water monitoring frequency could be reduced to annual in order to monitor the remaining dissolved MTBE/BTEX contamination. If benzene concentrations persist at FN-26, quarterly VEFR events at FN-26, FN-2, and FN-4 could be conducted for one year to decrease the concentrations.

The cost of implementing this approach is minimal compared to the costs of removing the tanks and excavating soil. The reduced scope for annual activities would eliminate the costs for system operation, electricity, and GAC replacement (\$10,500 per year). In addition, it would reduce the sampling and analysis costs by approximately \$5,000 per year. Total annual expenses might be under \$10,000 per year.

If dissolved ground water concentrations (e.g., chlorinated solvents) are sufficiently high to merit containment, the extraction system should be reworked to provide ample extraction. New extraction wells would likely be required, and the pumps should be replaced with currently available pneumatic submersible total fluids pumps. The monitoring program should also be adapted to evaluate the performance of plume capture. The specific modifications would require more information regarding the extent and magnitude of the dissolved constituents of concern, especially for the chlorinated solvents.

6.5

SUGGESTED APPROACH TO IMPLEMENTATION

The first priority should be to sample ground water for chlorinated solvents because many of the other decisions at the site require knowledge as to whether or not these constituents are present and the magnitude and extent of any contamination. Off-site investigation may be necessary if significant chlorinated solvent contamination is found.

The site structures and tanks should be removed as soon as possible. In addition, as described in Section 6.1.2, varying degrees of investigation and/or remediation could also be considered to facilitate sale of the property. A variety of site development options would be possible. Vapor toxicity is low and potential vapor intrusion could be addressed by design/construction methods. Businesses would likely be interested in the property due to its location, which would provide tax revenue to the city and potentially provide jobs in the neighborhood. With the greater potential for site development, the State and City would be more inclined to resolve the ownership/liens and outstanding tax issues. Eventually some of the costs spent in remediation would be recouped by the State and/or City. Moreover, the safety hazards and attractions to vagrants would be eliminated.

Other recommendations including the discharge agreement, removal of the GAC effluent tank, insulation repair, flow meter installation, report improvements and consideration of passive skimming/periodic bailing instead of total fluids pumping can be initiated concurrently with the site demolition or can be delayed until the post-demolition site conceptual model is developed.

7.0 SUMMARY

The observations and recommendations contained in this report are not intended to imply a deficiency in the work of either the system designers or operators but are offered as constructive suggestions in the best interest of the EPA and the public. These recommendations have the obvious benefit of being formulated based upon operational data unavailable to the original designers.

Recommendations for improving effectiveness in protecting human health and the environment include analyzing ground water samples for chlorinated solvents and PAHs, demolishing the site structures, investigating and/or excavating contaminated soils beneath those structures, revising the site conceptual model to account for the site conditions after the demolition and excavation, and obtaining a permit or agreement to discharge the treated water. No specific recommendations were offered for cost reduction; however, the RSE team does agree with the recent elimination of the VEFR events and reduction in well gauging frequency. Recommendations for technical improvement include improving the semi-annual reports and removing the GAC effluent tank from the treatment system. One recommendation for gaining site closeout, or more specially system closeout, is provided. It is to consider an alternative remedial approach based on institutional controls and passive skimming of free product. The rationale for this approach is the immobility and relatively low toxicity of the No. 6 fuel, the absence of free product discharges to surface water, and the high cost of removing the remaining free product and impacts that reach below the water table. The success of implementing this type of approach, however, is contingent on finding chlorinated solvent and PAH concentrations below standards.

Table 7-1 summarizes the costs and cost savings associated with each recommendation in Sections 6.1 through 6.3. Both capital and annual costs are presented. Also presented is the expected change in life-cycle costs over a 30-year period for each recommendation both with discounting (i.e., net present value) and without it.

Table 7-1. Cost Summary Table

Recommendation	Reason	Additional Capital Costs (\$)	Estimated Change in Annual Costs (\$/yr)	Estimated Change In Life-cycle Costs (\$) ¹	Estimated Change In Life-cycle Costs (\$) ²
6.1.1 Determine If Chlorinated Solvents and PAHs Are Present in Ground Water	Effectiveness	\$4,000	\$0	\$4,000	\$4,000
6.1.2 Improve The Site Condition By Demolishing Structures and Investigating and/or Excavating Underlying Contaminated Soils	Effectiveness	\$515,000 to \$1,430,000 ³	\$0	\$515,000 to \$1,430,000 ³	\$515,000 to \$1,430,000 ³
6.1.3 Develop A Revised Site Conceptual Model and Set Measurable Objectives	Effectiveness	\$30,000	\$0	\$30,000	\$30,000
6.1.4 Obtain A Discharge Agreement and Collect Effluent Samples	Effectiveness	\$0	\$3,000	\$90,000	\$48,500
6.3.1 Improve Reports	Technical Improvement	\$0	\$2,000	\$60,000	\$32,000
6.3.2 Consider Removing The GAC Effluent Tank	Technical Improvement	\$0	(\$500)	(\$15,000)	(\$8,000)
6.3.3 Repair Insulation or Relocate Treatment Components	Technical Improvement	\$2,000	\$0	\$2,000	\$2,000
6.4.1 Consider an Alternative Remedial Approach	Gain Site/System Closeout	\$0	(\$15,500)	(\$465,000)	(\$250,000)

Costs in parentheses imply cost reductions.

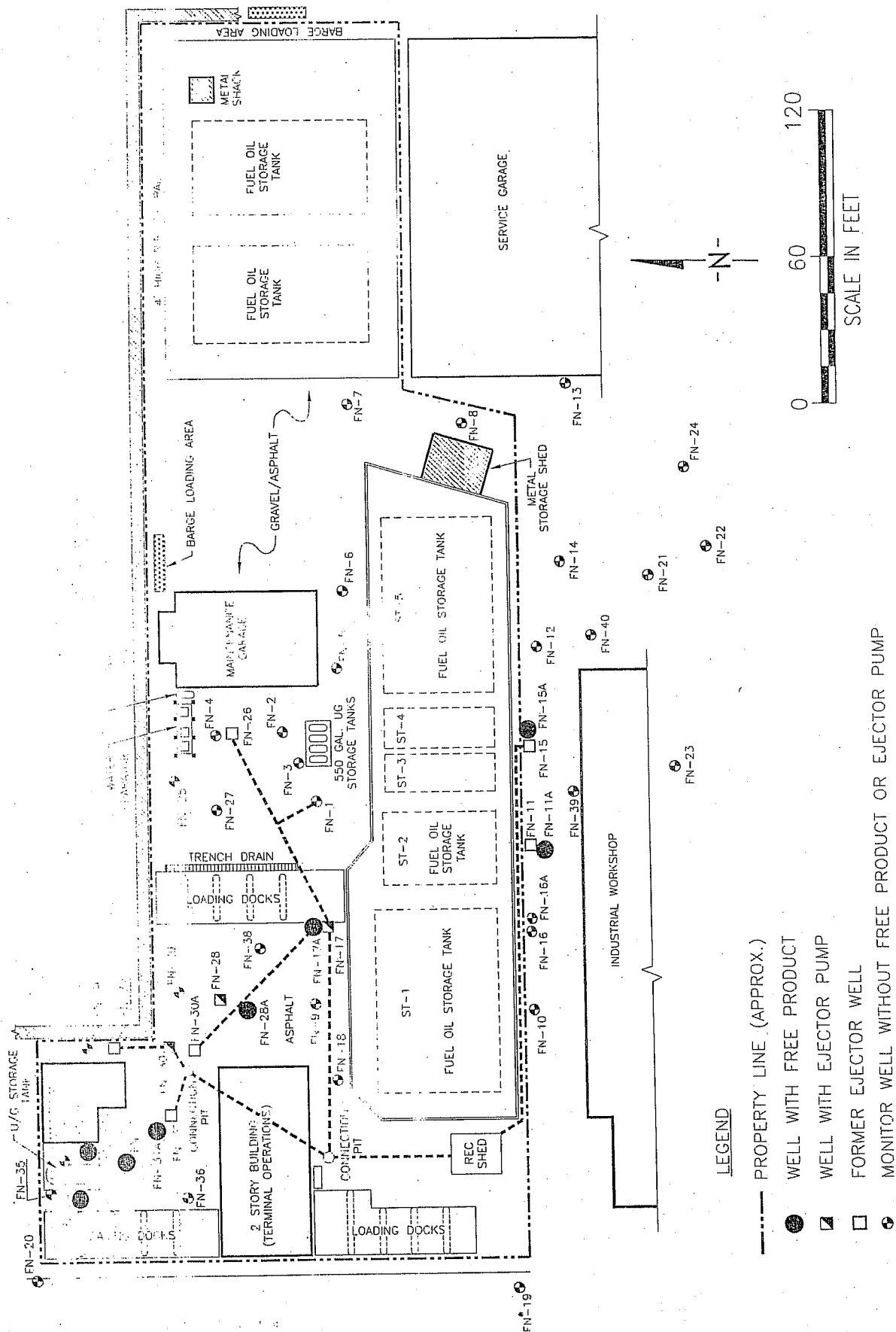
¹ assumes 30 years of operation with a discount rate of 0% (i.e., no discounting)

² assumes 30 years of operation with a discount rate of 5% and no discounting in the first year

³ Implementing any of the options in this recommendation could improve the potential for redevelopment that would provide increased tax revenues and other benefits.

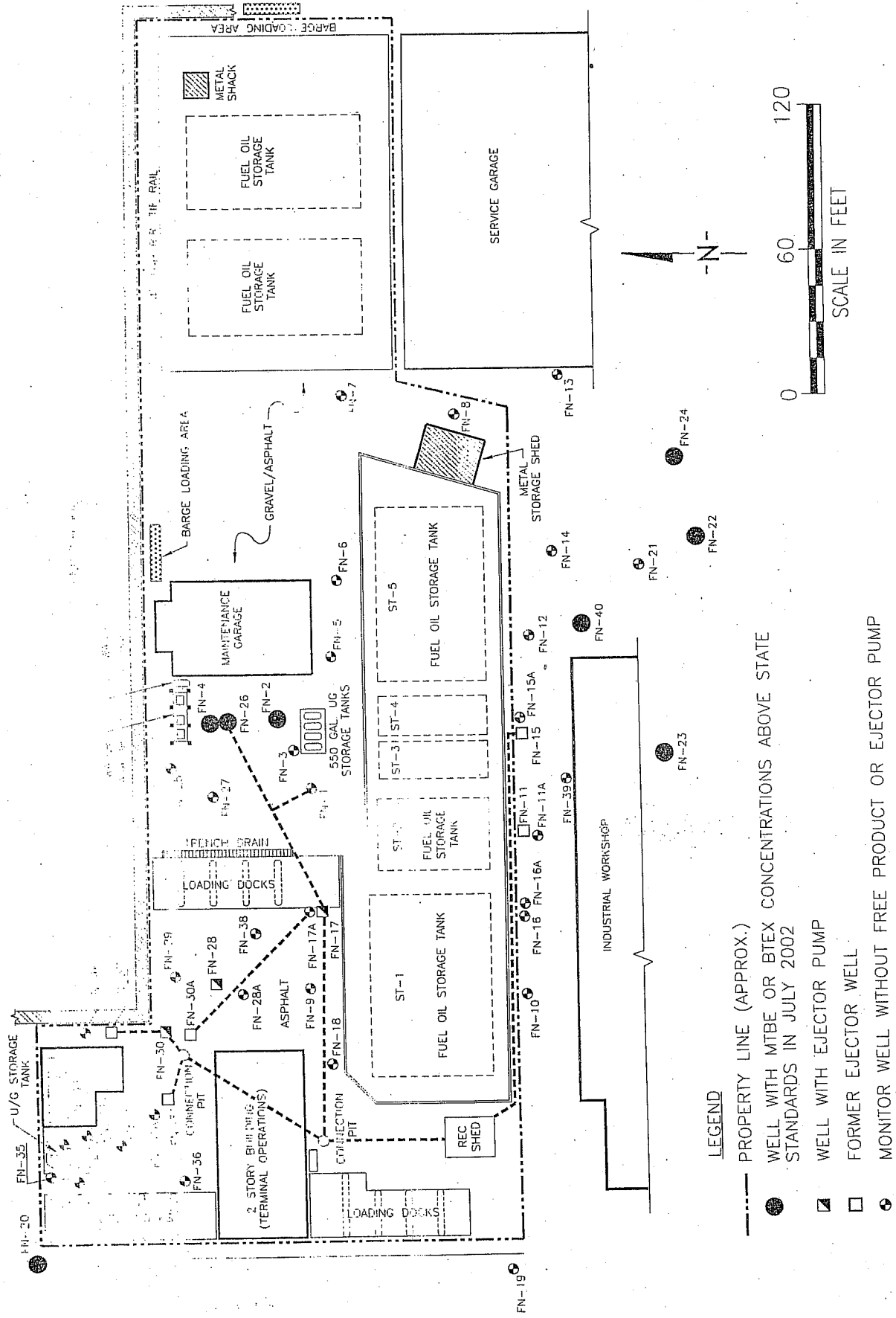
FIGURES

FIGURE 1-1. SITE MAP AND OBSERVED EXTENT OF FREE PRODUCT IN 2002.



(Note: This figure was generated based on site figures developed by Miller Environmental Group, Inc. and discussions during the RSE site visit.)

FIGURE 1-2. EXTENT OF DISSOLVED CONTAMINATION ABOVE THE MOST STRINGENT STATE STANDARDS AS OBSERVED IN JULY 2002.



(Note: This figure was generated based on site figures developed by Miller Environmental Group, Inc. and discussions during the RSE site visit.)



MILLER ENVIRONMENTAL GROUP INC.

**Morgan Terminal
200 Morgan Avenue
Brooklyn, NY
NYSDEC SPILL # 92-09135**

**Site Status Monitoring Report
March 2003 – October 2004**

**Prepared For:
NYSDEC Region II
Hunters Point Plaza
47-40 21st Street, Spills Unit
Long Island City, New York 11101**

**Prepared By:
Miller Environmental Group, Inc.
1 North 12th Street
Brooklyn, New York 11211**



MILLER ENVIRONMENTAL GROUP INC.

Morgan Terminal
200 Morgan Avenue
Brooklyn, NY
NYSDEC SPILL # 92-09135

To the best of Miller Environmental Group, Inc.'s knowledge the information provided in this report is factual and accurate.

Karen Sheridan

Karen Sheridan

Geologist/Project Manager

11/11/04

Date



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1.0 Introduction

The New York State Department of Environmental Conservation (NYSDEC) has contracted Miller Environmental Group, Inc. (MEG) to conduct groundwater remediation activities at Morgan Terminal, 200 Morgan Avenue, Brooklyn, New York; hereinafter known as "the site" (Figure 1). The objective of this report is to summarize and evaluate all activities performed at the site between March 2003 and October 2004, and to provide recommendations.

2.0 Background

Morgan Terminal is an abandoned bulk oil storage facility with Morgan Avenue bordering the property to the west and English Kills bordering the site to the north. The site is comprised of a two-story terminal operations building, several small one-story maintenance buildings and sheds. Also, a large retaining wall isolates five (5) deteriorating fuel oil storage tanks and several underground storage tanks (UST's) that formerly stored No. 6 fuel oil and diesel fuel abandoned at the site.

Following abandonment of the site facility, the NYSDEC contracted Fenly and Nicol Environmental, Inc. (F&N) to install and maintain a remediation system at the site. F&N installed ten (10) ejector wells, an air compressor, a 1,000-gallon oil/water separator and two (2) 275-gallon product storage tanks. An activated carbon system was used to treat effluent before it discharged into the sewer system.

In 1999, MEG took over the maintenance of the remediation system and activities. To date, the site has a total of forty-five (45) active monitoring wells. MEG has performed several services onsite including monthly monitoring, remediation system checks, vacuum enhanced fluid recovery (VEFR) and quarterly groundwater sampling. VEFR activities were discontinued in 2003 because the product was too viscous for efficient recovery. For the same reason, the remediation system was removed from the site in February 2004. Monitoring is currently conducted bi-weekly at the site and groundwater sampling continues to be conducted quarterly.



3.0 Work Performed

3.1 Fluid Level Monitoring

As previously mentioned, groundwater monitoring is conducted at the site on a bi-weekly basis. During the monitoring events, depth to water (DTW), depth to product (DTP), and product thickness (PT) are recorded, if applicable, for each site well. The measurements are observed with the use of an oil/water sonic interface probe. It should be noted that because of the product found onsite, these measurements may not be highly accurate. Highly viscous product may prevent the interface probe from recording a measurement of depth to water. For this reporting period, hydrographs representing monitoring wells MW-16, MW-23, and MW-27 were constructed (Figure 2) and prepared using groundwater monitoring data. Hydrograph data has shown no significant seasonal fluctuations. Complete monitoring reports are presented in Appendix A.

Since March 2003, free-product has been identified in MW 11a, MW-15a, MW-16a, MW-17a, MW-18, MW-26, MW-28a, MW-31a, MW-32, MW-33, MW-33a, MW-34, and MW-36.

Groundwater gradient maps have been generated based on groundwater monitoring data obtained during sampling/monitoring events (Figures 3-9). Groundwater flow has been determined to flow towards the northwest. This flow direction is consistent with regional groundwater flow patterns for the area.

3.2 Groundwater Quality Sampling

All wells were sampled on March 11, June 5, September 8, and December 2, 2003, and March 3, and August 13, 2004. For sampling purposes, MEG purged a minimum of three times the volume of standing water in each well and collected samples in appropriate containers. MEG decontaminated the purging pump between each use to prevent cross-contamination. The groundwater samples were placed in a cooler on ice and delivered to NYSDEC contracted EcoTest Laboratories, Inc. for analysis using EPA Method



602+MTBE. Historical concentrations of total BTEX and MTBE are presented in Table 1 and 2 along with graphical representation.

The March 11, 2003 sampling data showed the minimal concentrations of total BTEX in samples collected. The highest concentrations of MTBE were found in samples taken from MW-19, MW-22, and MW-40. Analytical results from June 5, 2003 indicated that the highest concentration of BTEX was found in samples collected from MW-10, MW-19, and MW-29. The highest concentrations of MTBE were also found in samples collected from MW-19. Results from samples collected on September 8, 2003 and December 2, 2003 indicated minimal concentrations of BTEX in samples collected. The highest concentrations of MTBE were found in samples collected from MW-25 and MW-29. The February 27, 2004 sample data showed the highest concentrations of BTEX in monitoring wells MW-19, MW-20, MW-24, and MW-29. The highest concentrations of MTBE were found in samples collected from MW-19, MW-24, MW-25, and MW-29. The analytical data from August 13, 2004 showed highest concentrations of BTEX in monitoring wells MW-2, MW-4, MW-5, MW-16a, MW-25, MW-26, MW-27, MW-29, MW-30a, MW-35, and MW-36. The highest concentrations of MTBE were found in samples collected from MW-2, MW-19, MW-25, and MW-29. Groundwater quality sampling data is presented in Table 1 and Table 2. Plume maps showing the extent of total BTEX and MTBE concentrations have been created from the March 2003 through the August 2004 sampling data and are presented in Figures 9-20. Graphs comparing the depth to groundwater versus total BTEX and MTBE concentrations for monitoring wells MW-20, MW-22, MW-23, and MW-40 are presented in Figures 21-24.



3.3 Recovery System Maintenance

System maintenance occurred on a monthly basis until the product recovery system was removed in February 2004. System maintenance included replacement of mechanical equipment and carbon filters.

4.0 RECOMMENDATIONS

MEG recommends the continuation of the current monitoring and sampling activities at the site. Any further remediation at the site will require the removal of the on-site storage tanks and associated contaminated soils.



MILLER ENVIRONMENTAL GROUP INC.

Tables

TABLE 1
GROUNDWATER ANALYTICAL

Client: NYSDEC Region 2
Spill #: 92-09135

Address: 47-40 21st Street, Long Island City, NY
Site: Morgan Terminal

Total BTEX Concentration

Well #	3/11/03	6/5/03	9/8/03	12/2/2003	2/27/04	8/13/2004
MW-1	NS	NS	NS	NS	NS	10
MW-2	<2	NS	NS	NS	NS	136
MW-3	<2	NS	NS	NS	NS	5
MW-4	<2	NS	NS	NS	NS	52
MW-5	NS	NS	NS	NS	NS	2224
MW-6	<2	NS	NS	NS	NS	<1
MW-7	<2	<2	<2	<2	10	NS
MW-8	<2	NS	NS	NS	NS	<1
MW-9	<2	NS	NS	NS	NS	<1
MW-10	<2	19	<2	<2	<1	<1
MW-12	NS	<2	<2	<2	<1	<1
MW-13	<2	<2	<2	<2	<1	<1
MW-14	<2	NS	NS	NS	NS	<1
MW-16A	1	NS	NS	NS	NS	561
MW-18	<2	NS	NS	NS	NS	<1
MW-19	5	126	NS	NS	16290	<1
MW-20	8	<2	<2	<2	461	8
MW-21	<2	NS	NS	NS	NS	<1
MW-22	<2	5	<2	<2	NS	<1
MW-23	<2	NS	NS	NS	NS	<1
MW-24	<2	NS	NS	NS	316	<1
MW-25	NS	2	<2	<2	15	197
MW-26	<2	NS	NS	NS	NS	578
MW-27	<2	NS	NS	NS	NS	119
MW-28A	NS	NS	NS	NS	NS	11
MW-29	<2	14	<2	<2	78	65
MW-30A	<2	NS	NS	NS	NS	201
MW-31A	2	<2	NS	NS	NS	NS
MW-33A	NS	NS	NS	NS	NS	NS
MW-35	NS	NS	<2	<2	23	386
MW-36	NS	NS	NS	NS	NS	NS
MW-38	<2	NS	NS	NS	NS	10
MW-40	<2	NS	NS	NS	NS	<1

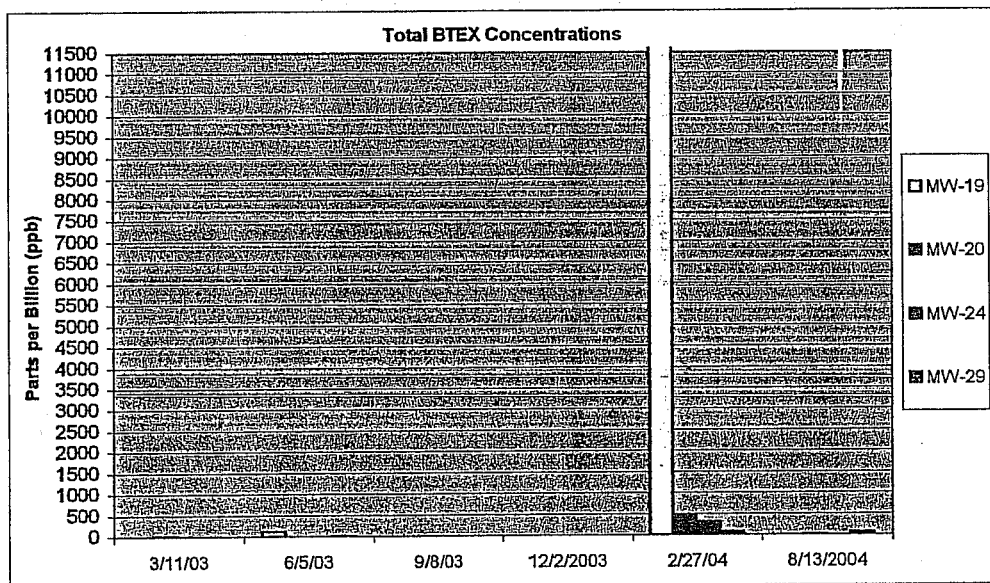


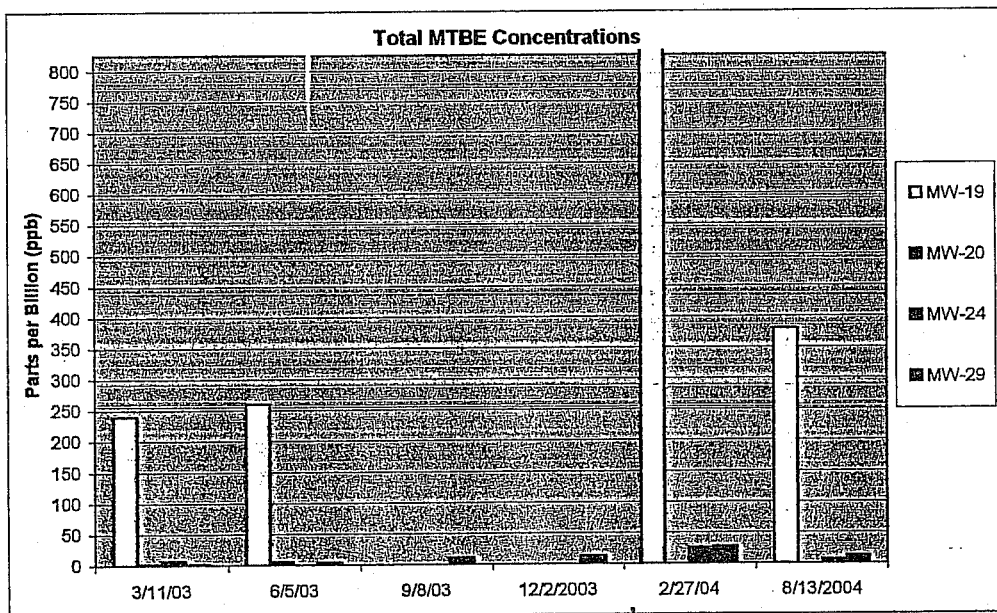
TABLE 2
GROUNDWATER ANALYTICAL

Client: NYSDEC Region 2
Spill #: 92-09135

Address: 47-40 21st Street, Long Island City, NY
Site: Morgan Terminal

MTBE Concentration

Well #	3/11/03	6/5/03	9/8/03	12/2/2003	2/27/04	8/13/2004
MW-1	NS	NS	NS	NS	NS	<1
MW-2	9	NS	NS	NS	NS	200
MW-3	<1	NS	NS	NS	NS	<1
MW-4	5	NS	NS	NS	NS	5
MW-5	NS	NS	NS	NS	NS	<1
MW-6	<1	NS	NS	NS	NS	<1
MW-7	<1	<1	<1	<1	<1	NS
MW-8	<1	NS	NS	NS	NS	<1
MW-9	<1	NS	NS	NS	NS	<1
MW-10	<1	<1	<1	<1	<1	<1
MW-12	NS	<1	<1	<1	<1	<1
MW-13	<1	<1	<1	<1	<1	<1
MW-14	<1	NS	NS	NS	NS	1
MW-16A	1	NS	NS	NS	NS	<1
MW-18	<1	NS	NS	NS	NS	<1
MW-19	240	260		NS	5900	380
MW-20	2	5	<1	<1	<1	<1
MW-21	<1	NS	NS	NS	NS	<1
MW-22	28	8	5	7	NS	4
MW-23	5	NS	NS	NS	NS	<1
MW-24	7	NS	NS	NS	25	6
MW-25	NS	2	11	28	25	20
MW-26	<1	NS	NS	NS	NS	6
MW-27	<1	NS	NS	NS	NS	<1
MW-28A	NS	NS	NS	NS	NS	2
MW-29	2	4	11	13	27	12
MW-30A	<1	NS	NS	NS	NS	<1
MW-31A	2	<1	NS	NS	NS	NS
MW-33A	NS	NS	NS	NS	NS	NS
MW-35	NS	NS	<1	<1	<1	<1
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MW-40	<1	NS	NS	NS	NS	11



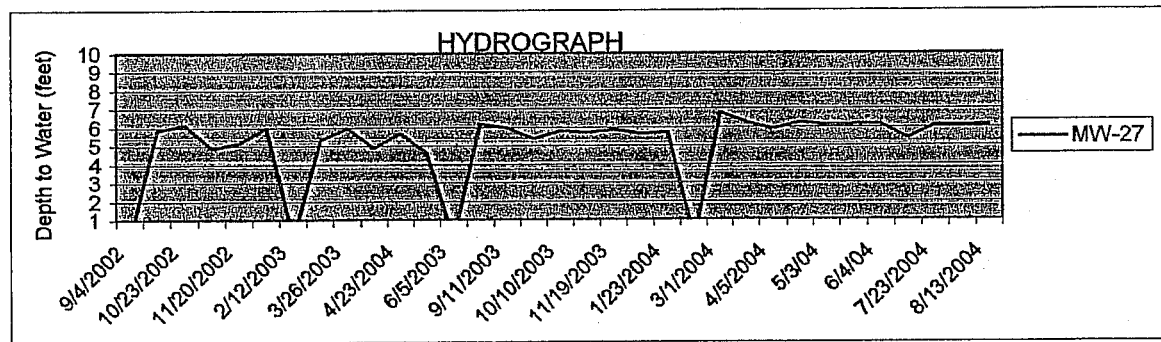
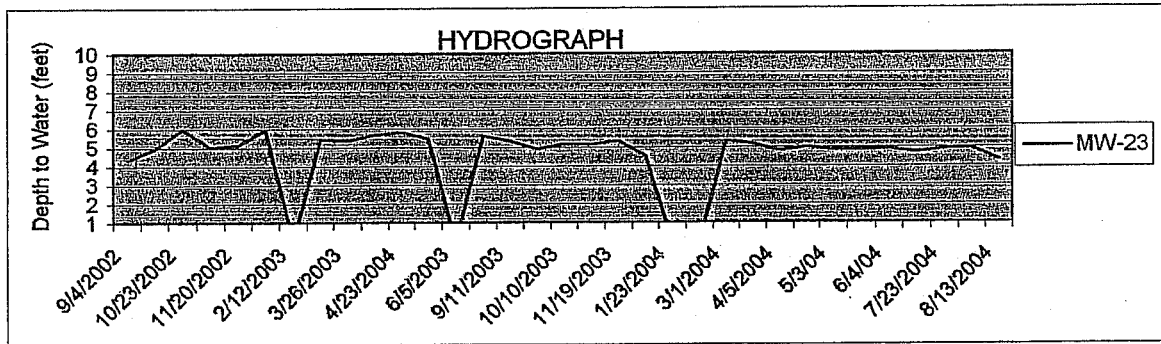
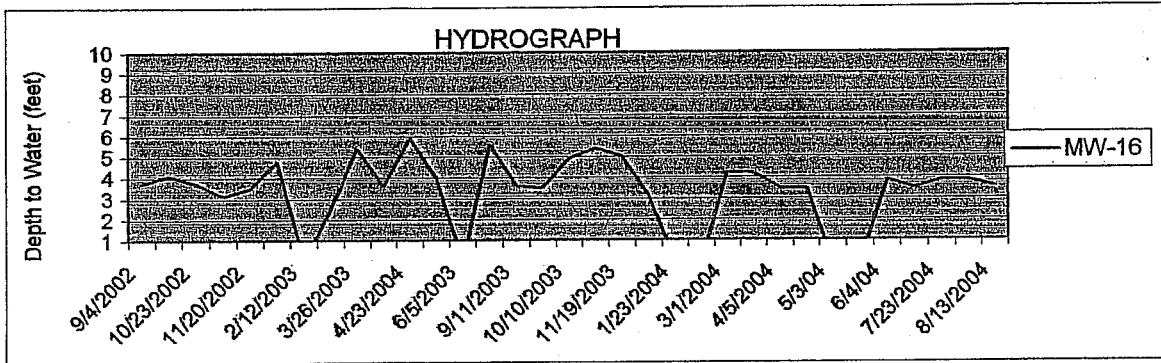
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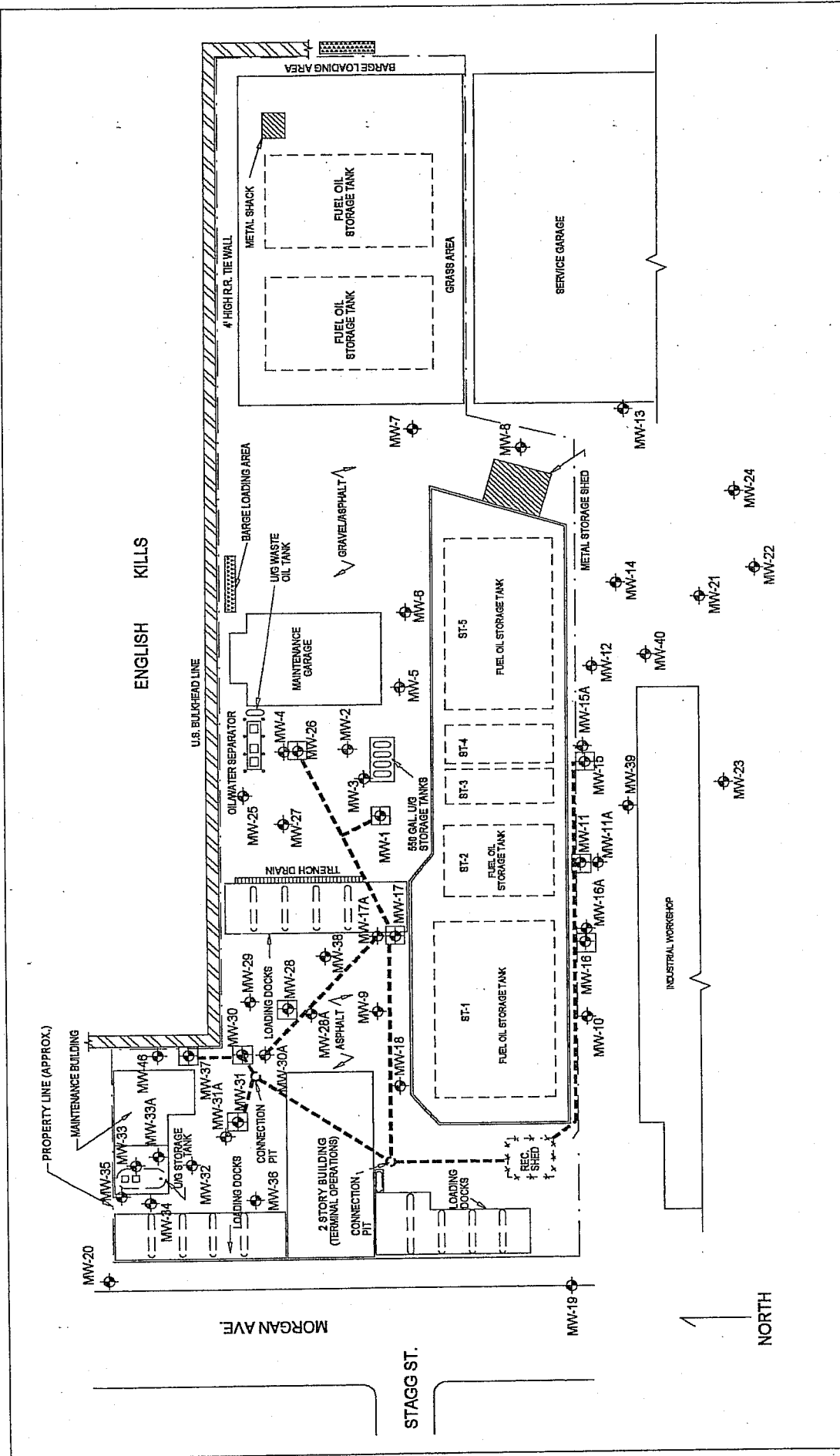


MILLER ENVIRONMENTAL GROUP INC.

Appendix A

Monitoring Data





Miller Environmental Group, Inc.
 1 N12th Street, Brooklyn, NY 11211

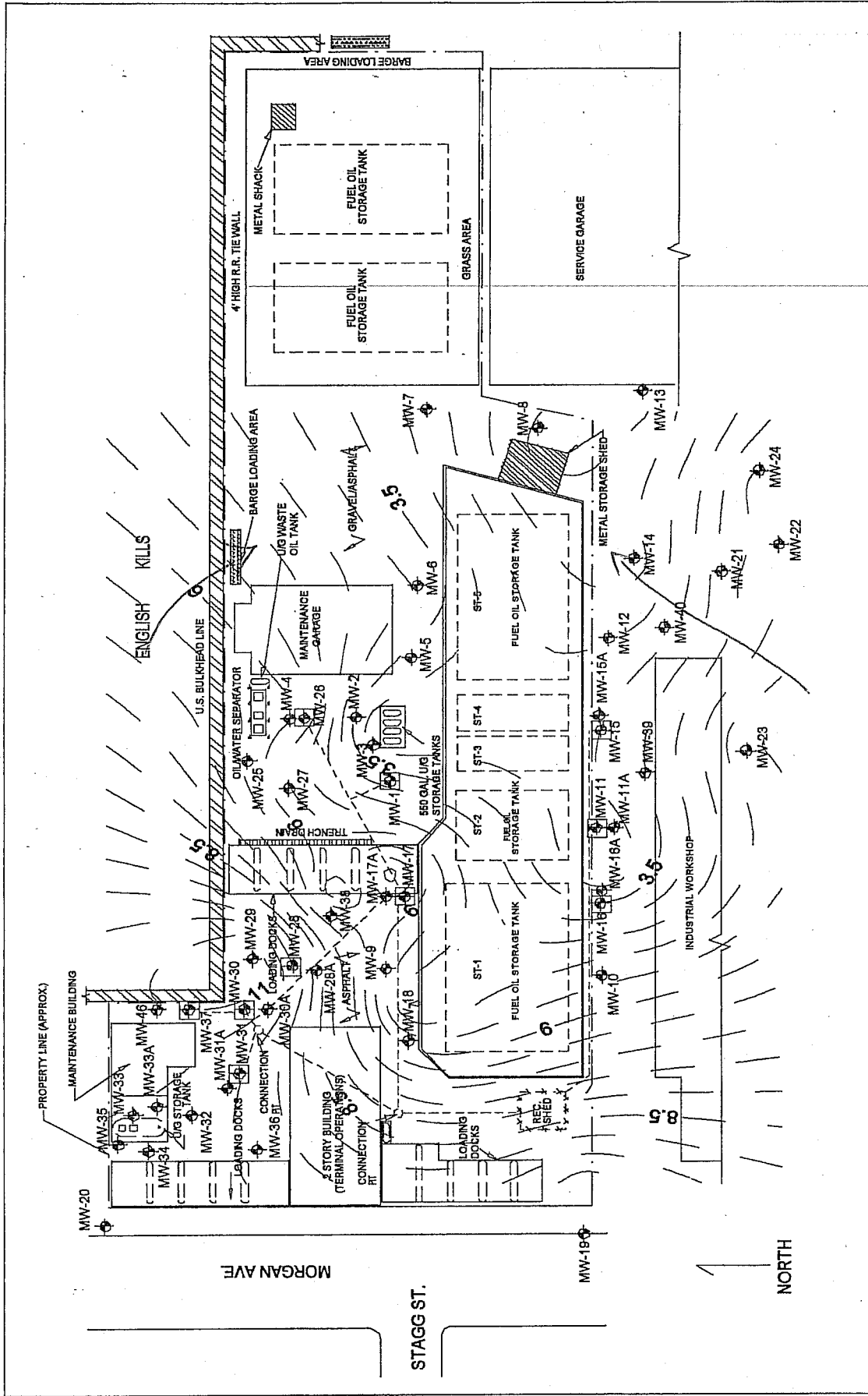
NYSDEC Region II

Morgan Terminal
 Spill # 92-09135

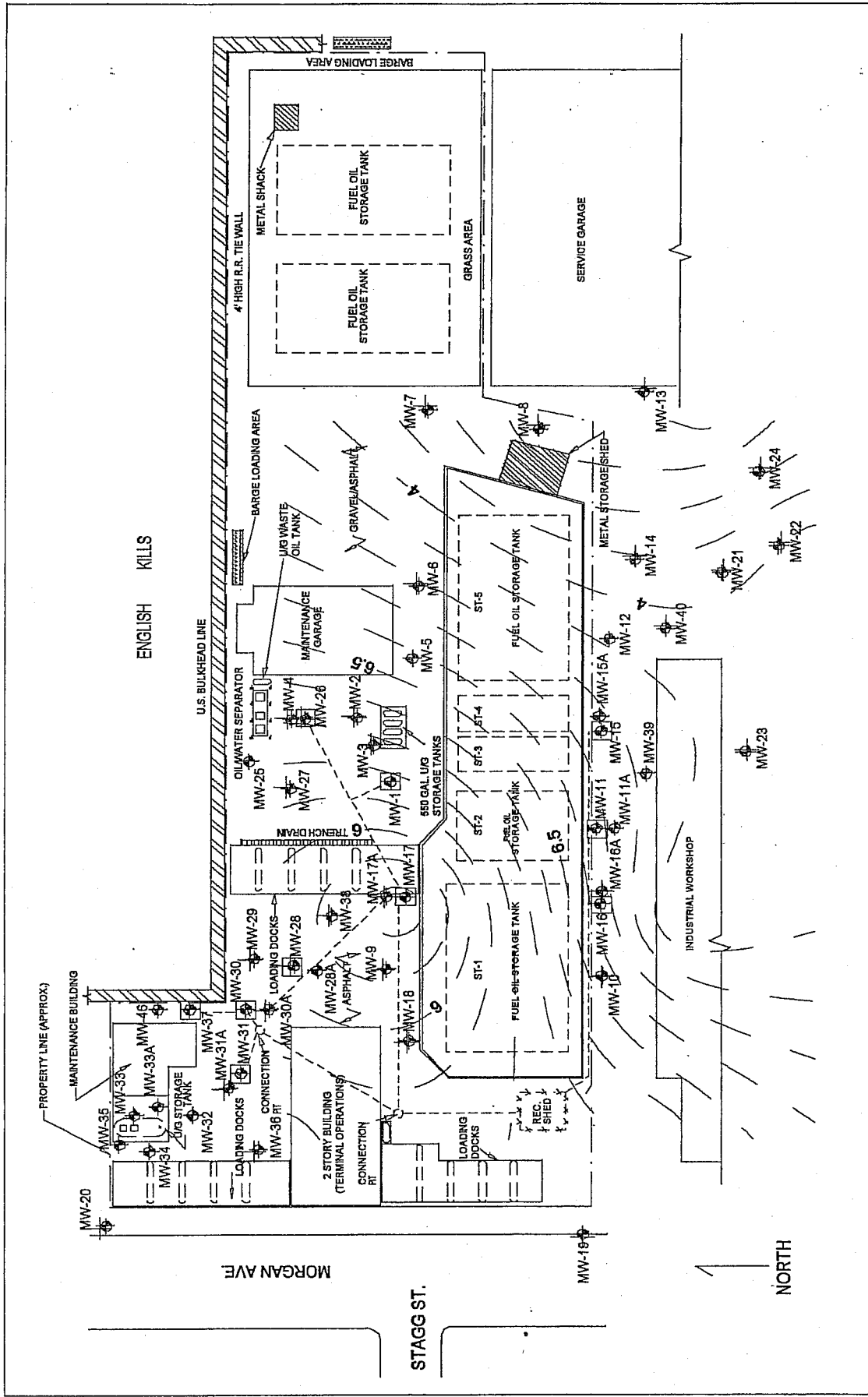
Site Map

200 Morgan Ave, Brooklyn, NY

scale: **Graphic**
 date revised: **3/8/04**
 drawn by:



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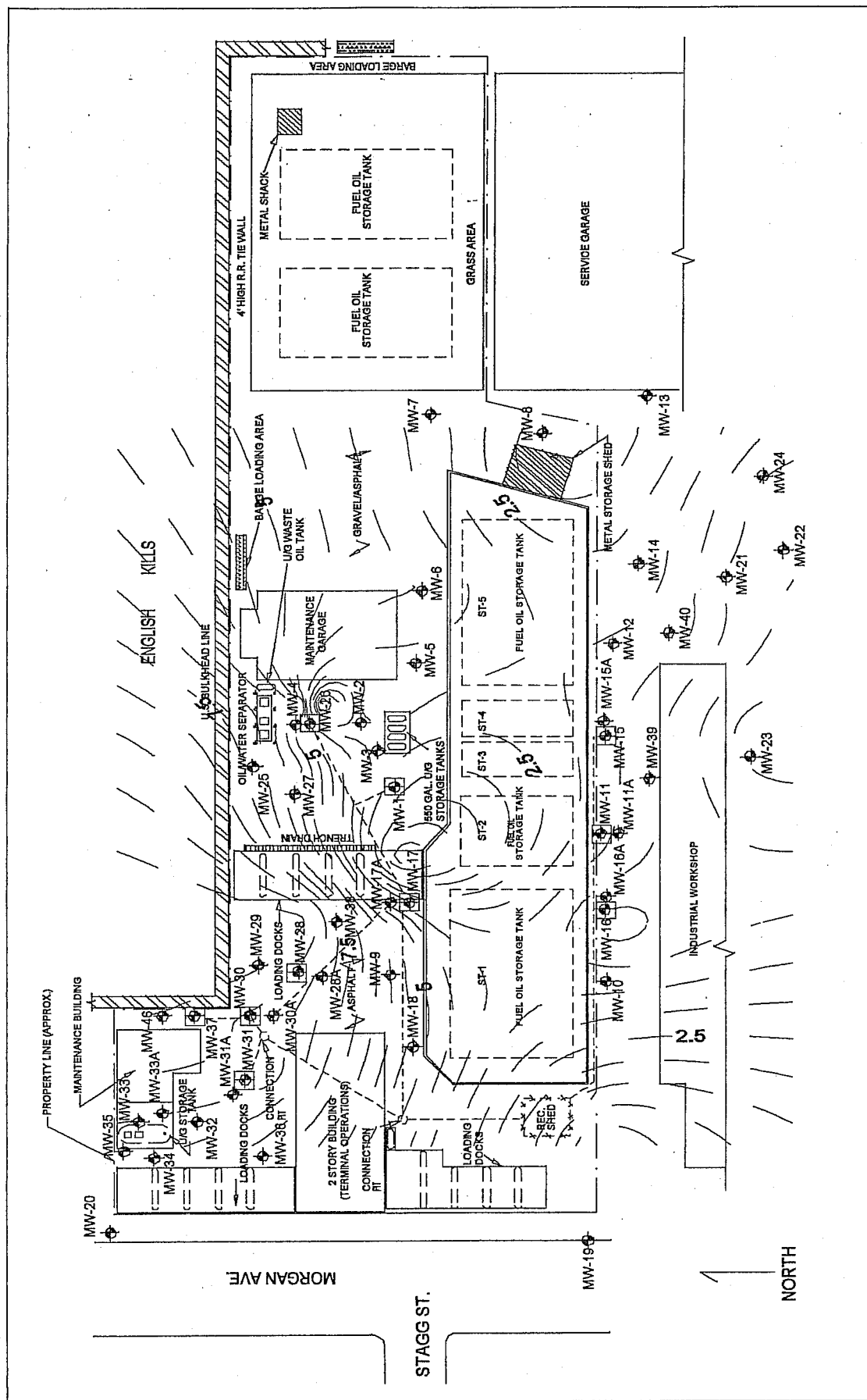
Miller Environmental Group, Inc.
 1 N12th Street, Brooklyn, NY 11211

Groundwater Flow Map 6-03
Morgan Terminal
 Spill # 92-09135

Site Map

200 Morgan Ave, Brooklyn, NY

scale: Graphic	date revised: 11/3/04	drawn by:
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Site Map

200 Morgan Ave, Brooklyn, NY

scale: Graphic	date revised: 11/03/04	drawn by:
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date revised:

drawn by:

Groundwater Flow Map 9-03

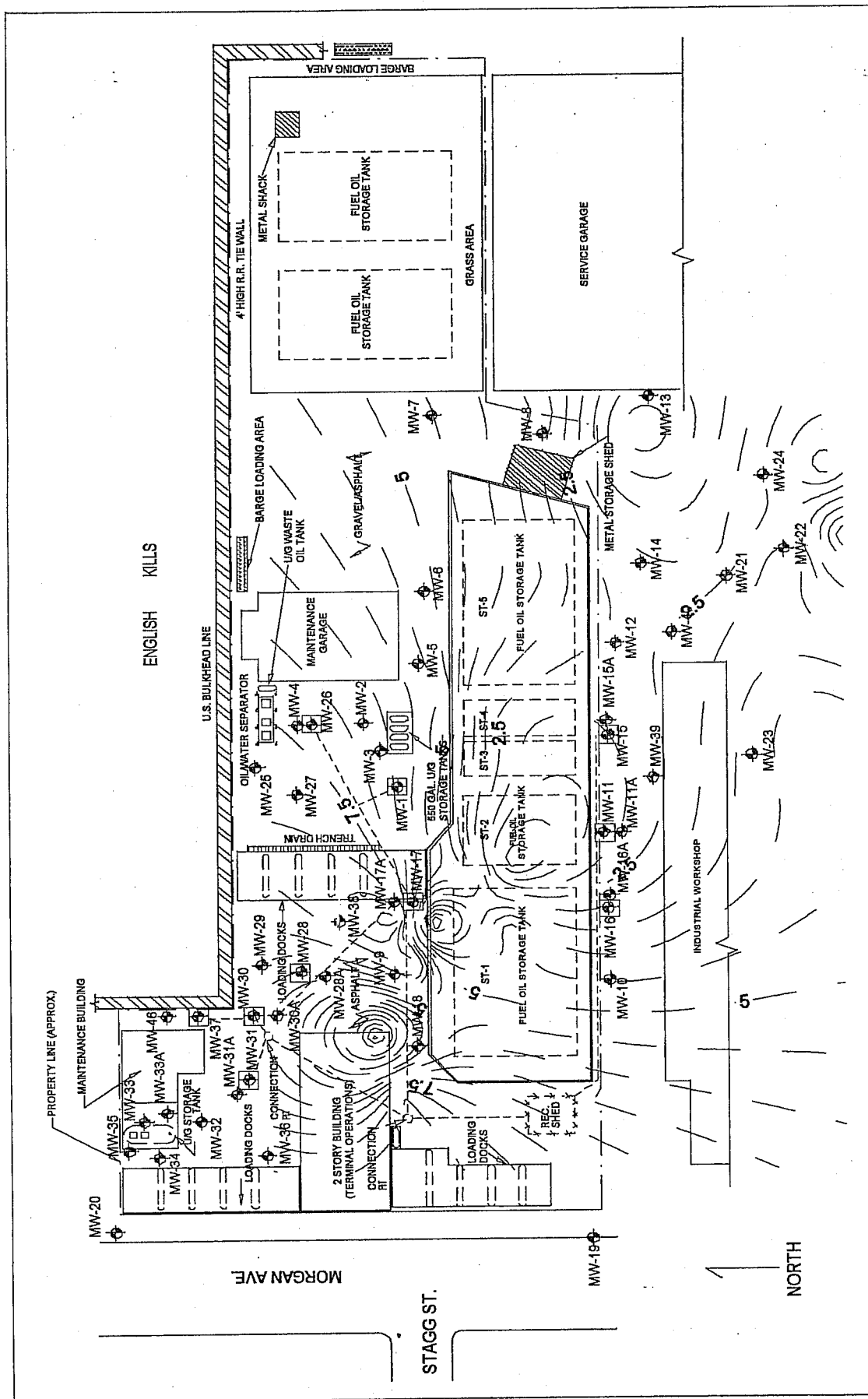
Morgan Terminal

Spill # 92-09135



Miller Environmental Group, Inc.

1 N12th Street, Brooklyn, NY 11211



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Miller Environmental Group, Inc.

1 N12th Street, Brooklyn, NY 11211

Groundwater Flow Map 3-04

Morgan Terminal
Spill # 92-09135

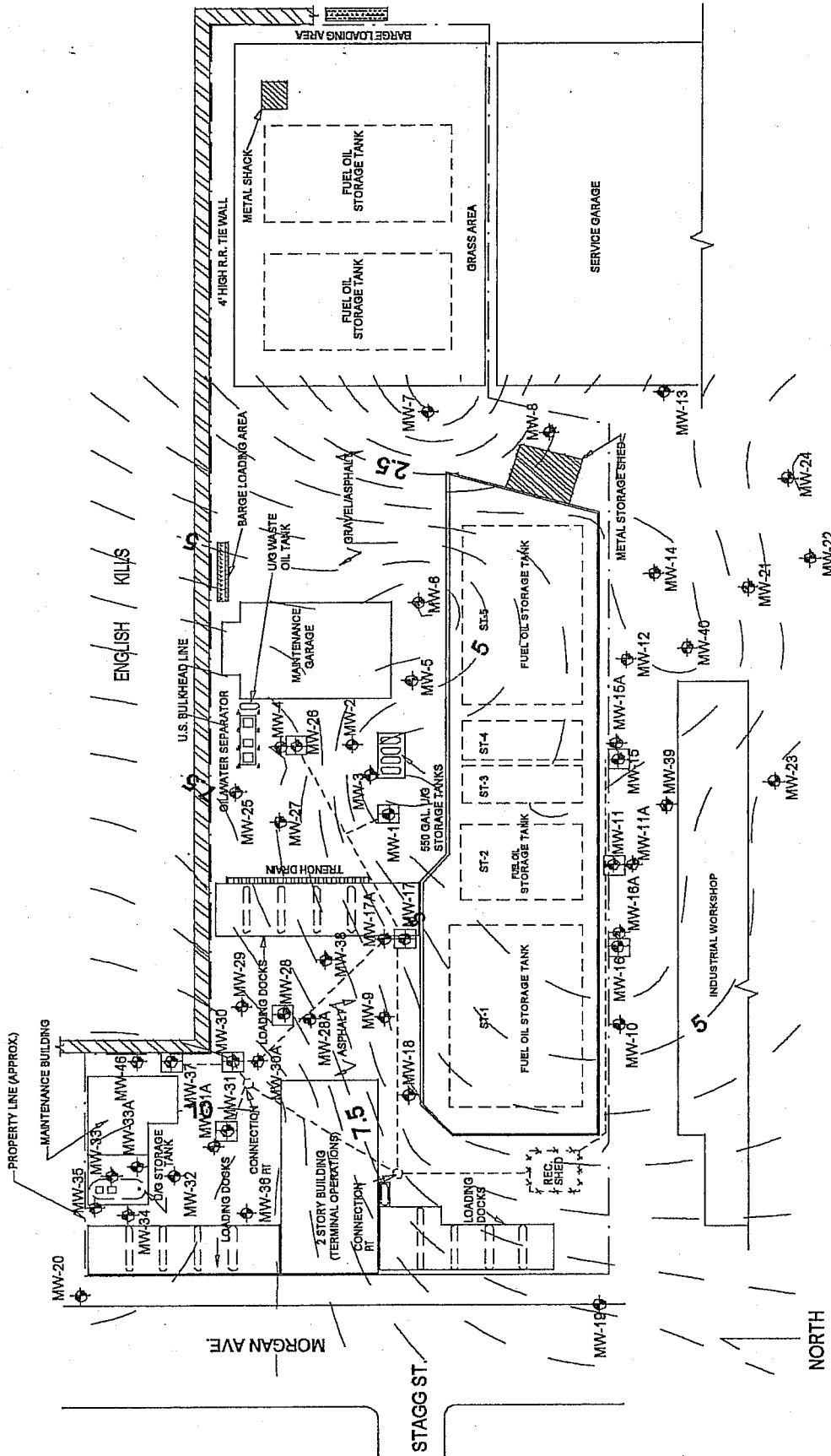
Site Map

200 Morgan Ave, Brooklyn, NY

scale:
Graphic

date revised:
11/03/04

drawn by:





Miller Environmental Group, Inc.

1 N12th Street, Brooklyn, NY 11211

Groundwater Flow Map 8-04

Morgan Terminal

Spill # 92-09135

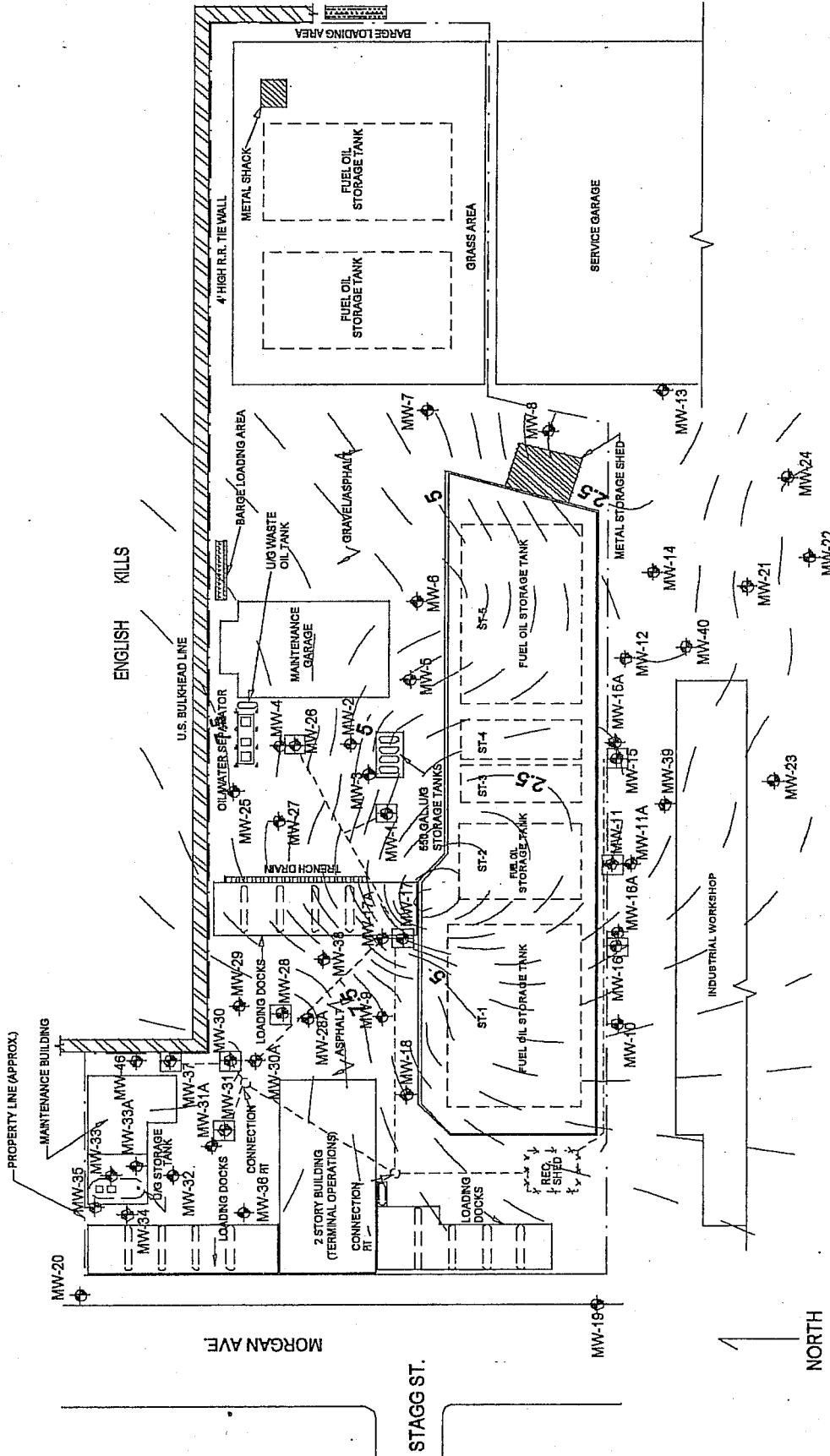
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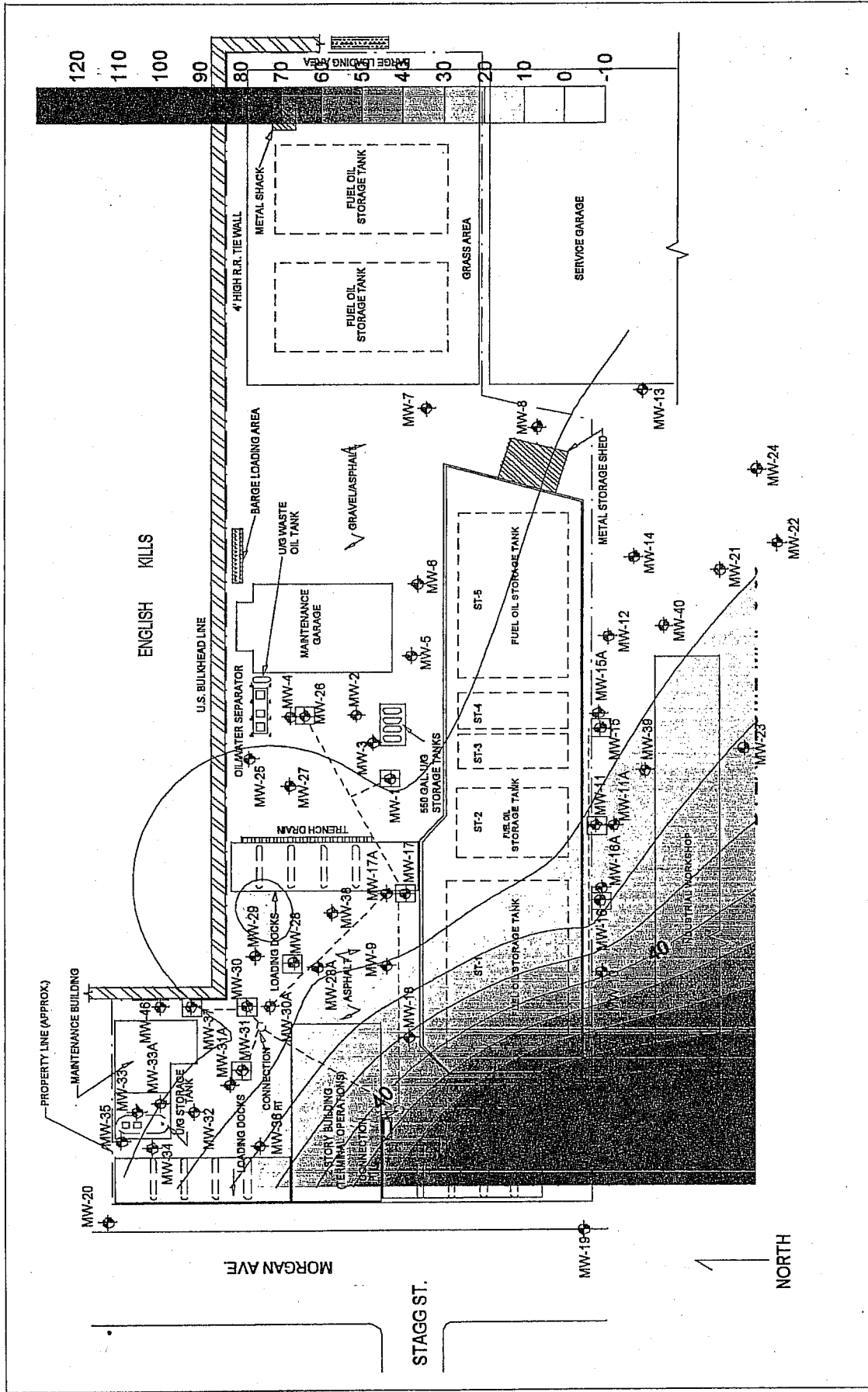
200 Morgan Ave, Brooklyn, NY


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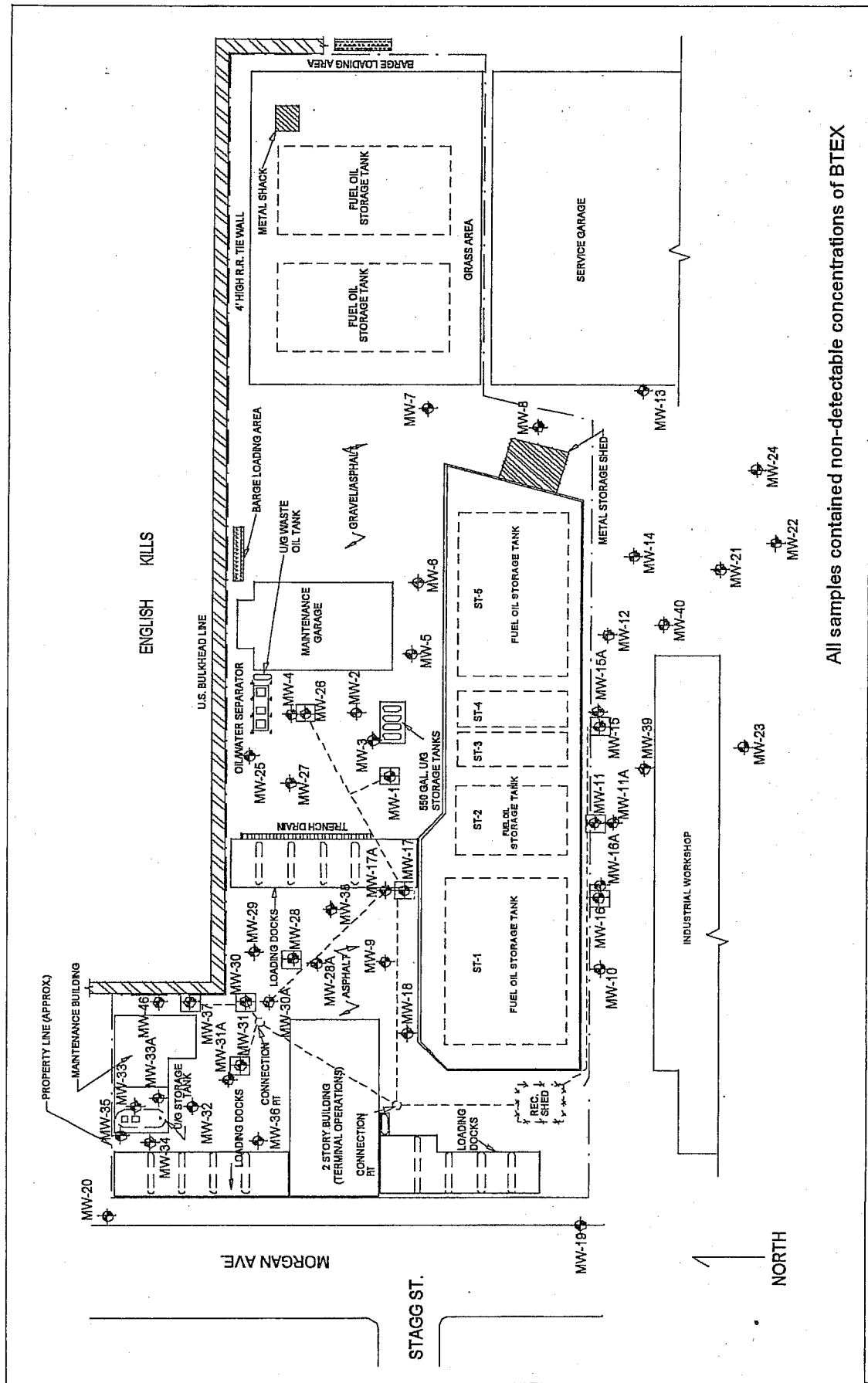
date revised: 11/03/04

drawn by:





	Site Map	
Miller Environmental Group, Inc. 1 N12th Street, Brooklyn, NY 11211	BTEX PLUME MAP 6-03 Morgan Terminal Spill # 92-09135	200 Morgan Ave, Brooklyn, NY
	scale: Graphic	date revised: drawn by:



All samples contained non-detectable concentrations of BTEX



Miller Environmental Group, Inc.

1 N12th Street, Brooklyn, NY 11211

BTEX PLUME MAP 9-03

Morgan Terminal

Spill # 92-09135

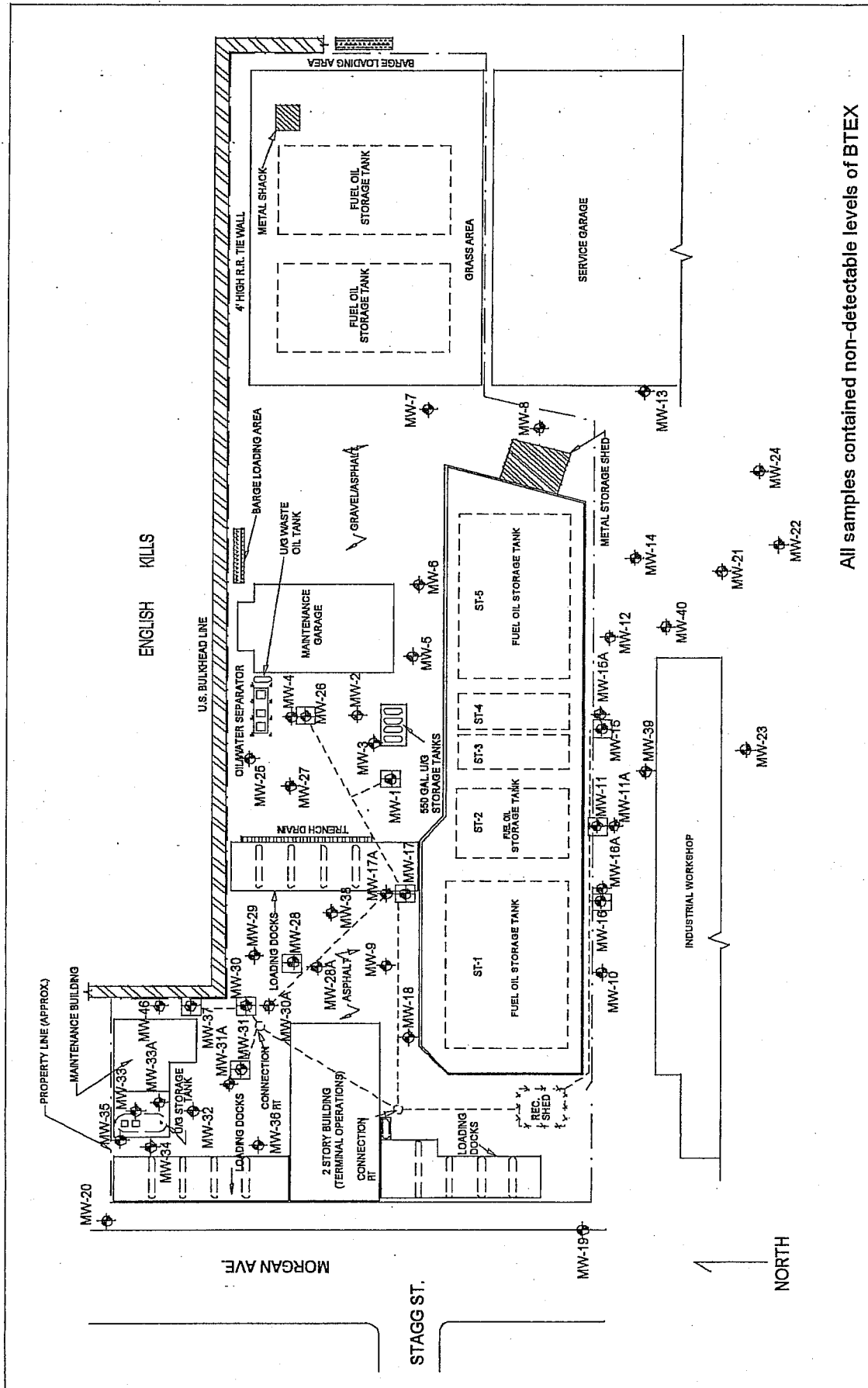
Site Map

200 Morgan Ave, Brooklyn, NY

scale:
Graphic

date revised:

drawn by:



All samples contained non-detectable levels of BTEX



Miller Environmental Group, Inc.

1 N12th Street, Brooklyn, NY 11211

BTEX PLUME MAP 12-03

Morgan Terminal

Spill # 92-09135

Site Map

200 Morgan Ave, Brooklyn, NY

scale:
Graphic

date revised:

drawn by:



Miller Environmental Group, Inc.

1 N12th Street, Brooklyn, NY 11211

BTEX PLUME MAP 3-04

Morgan Terminal

Spill # 92-09135

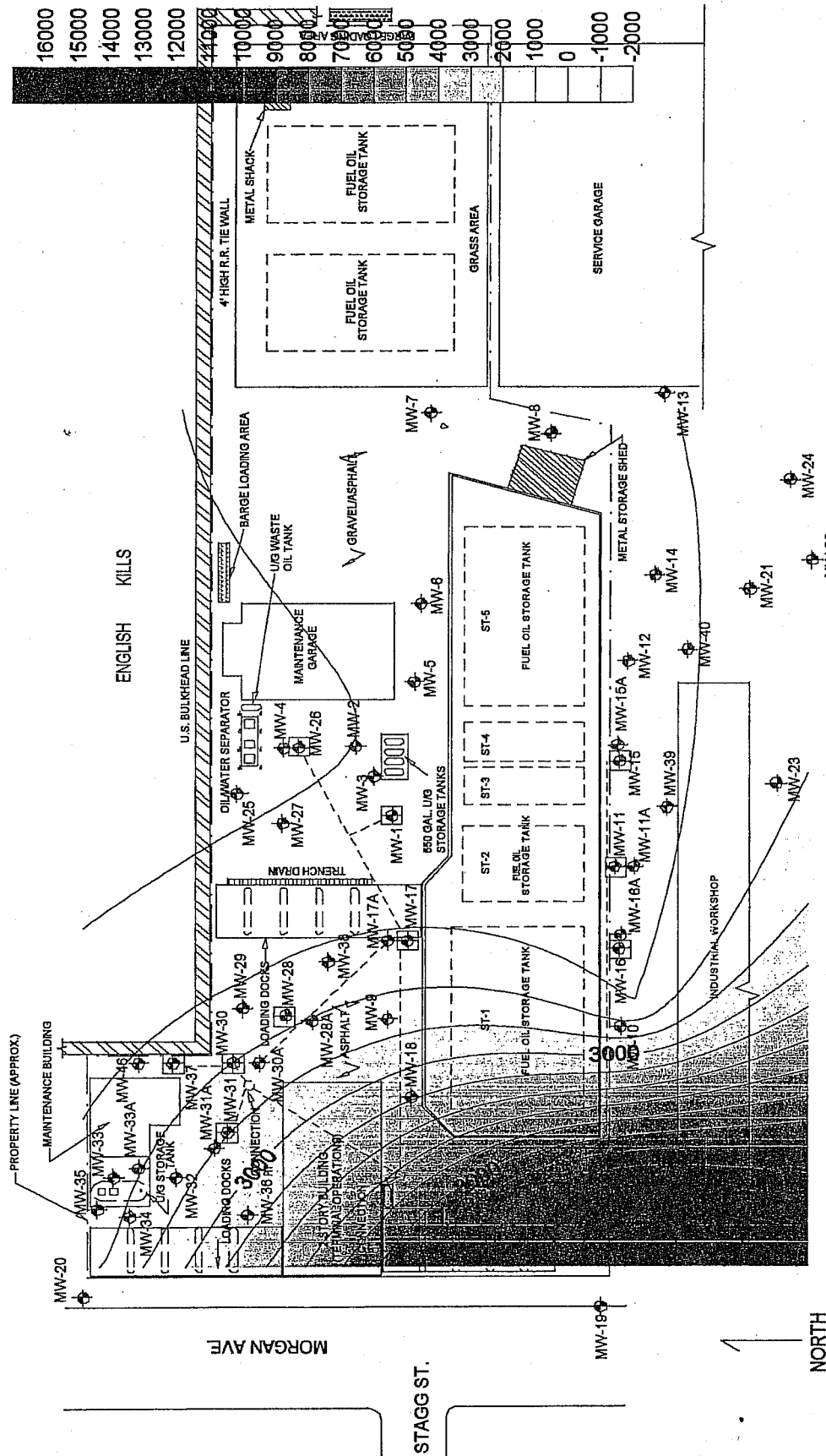
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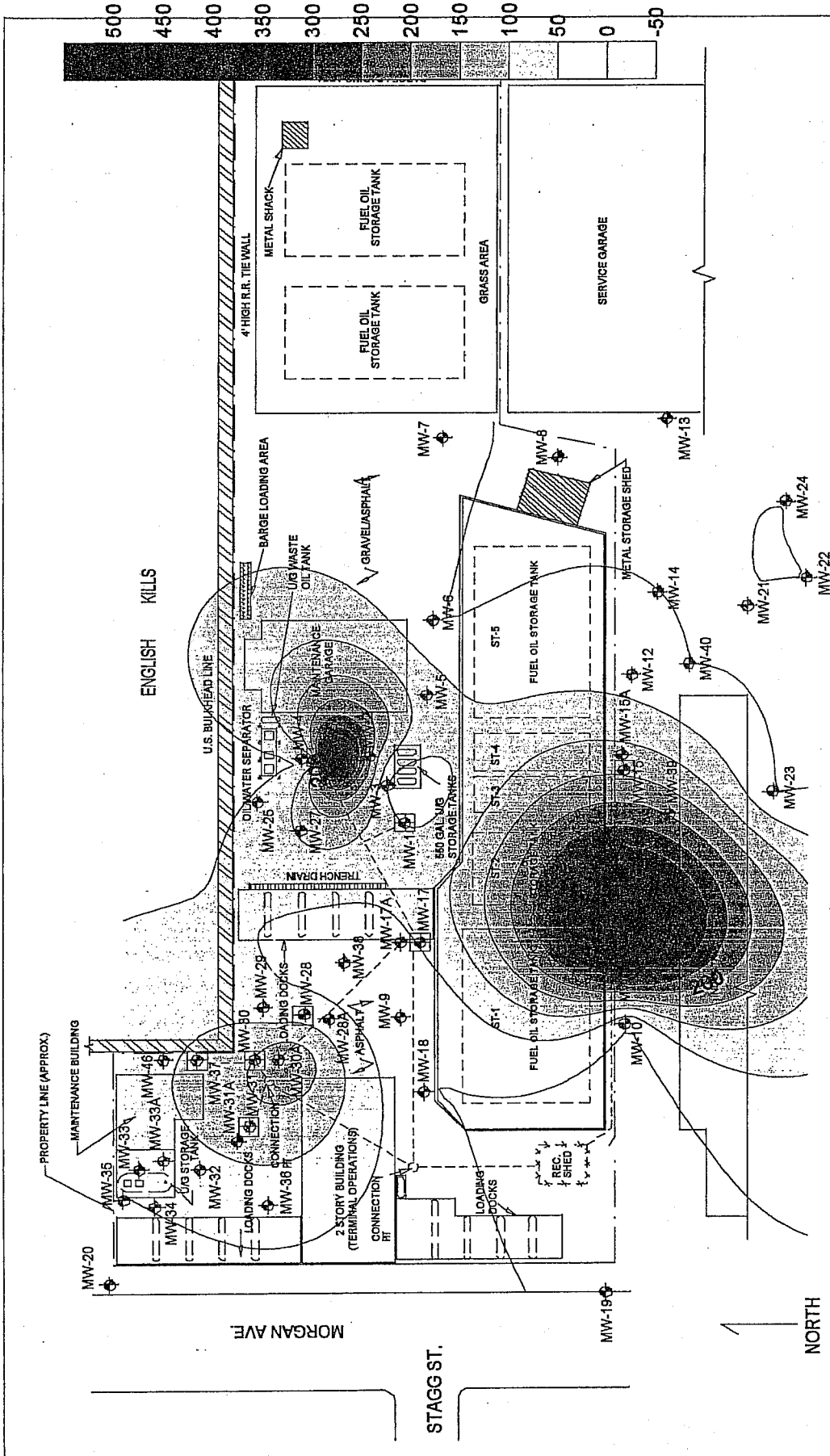
200 Morgan Ave, Brooklyn, NY

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date revised:

drawn by:





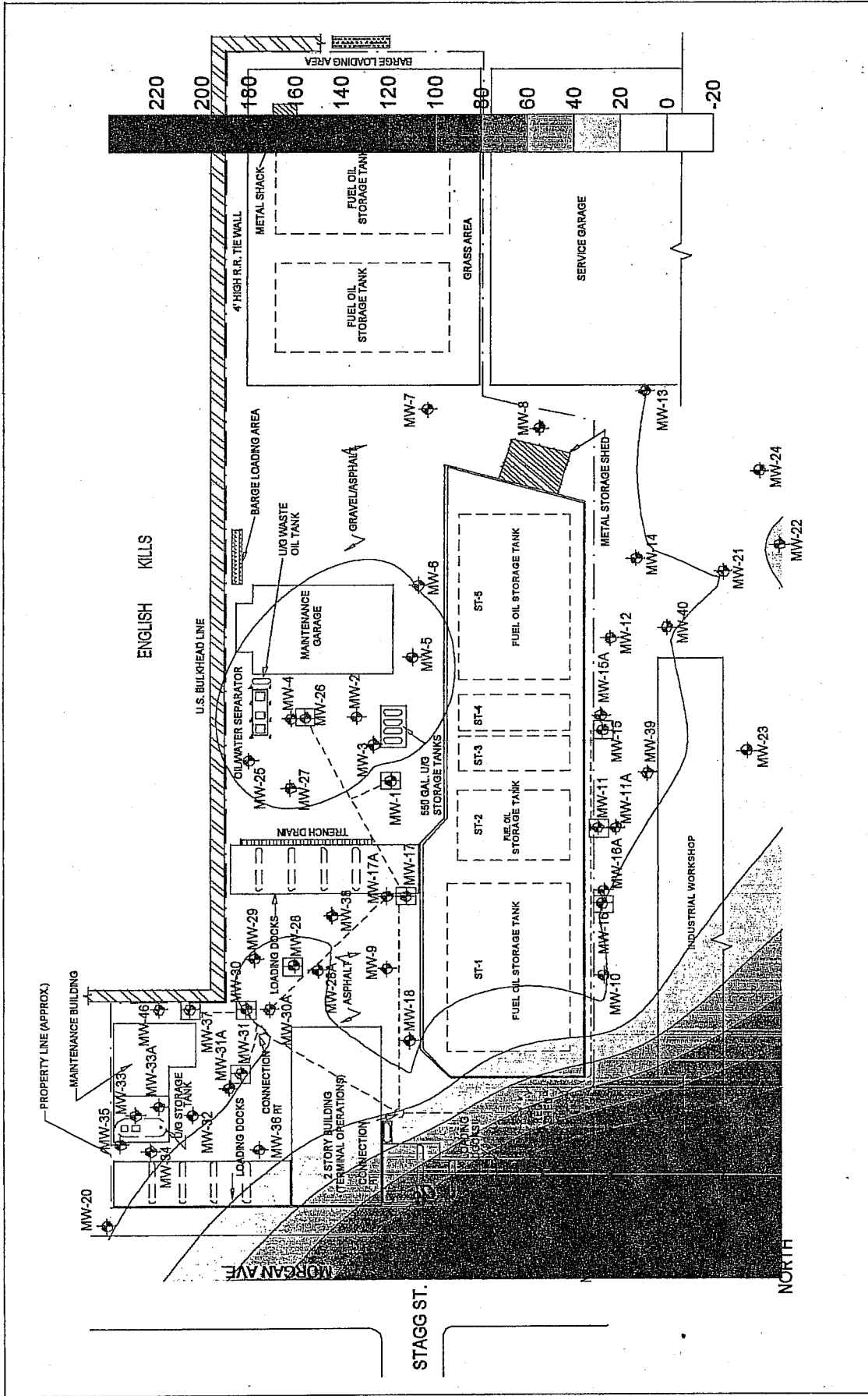
Miller Environmental Group, Inc.
 1 N12th Street, Brooklyn, NY 11211

BTEX PLUME MAP 8-04
Morgan Terminal
Spill # 92-09135

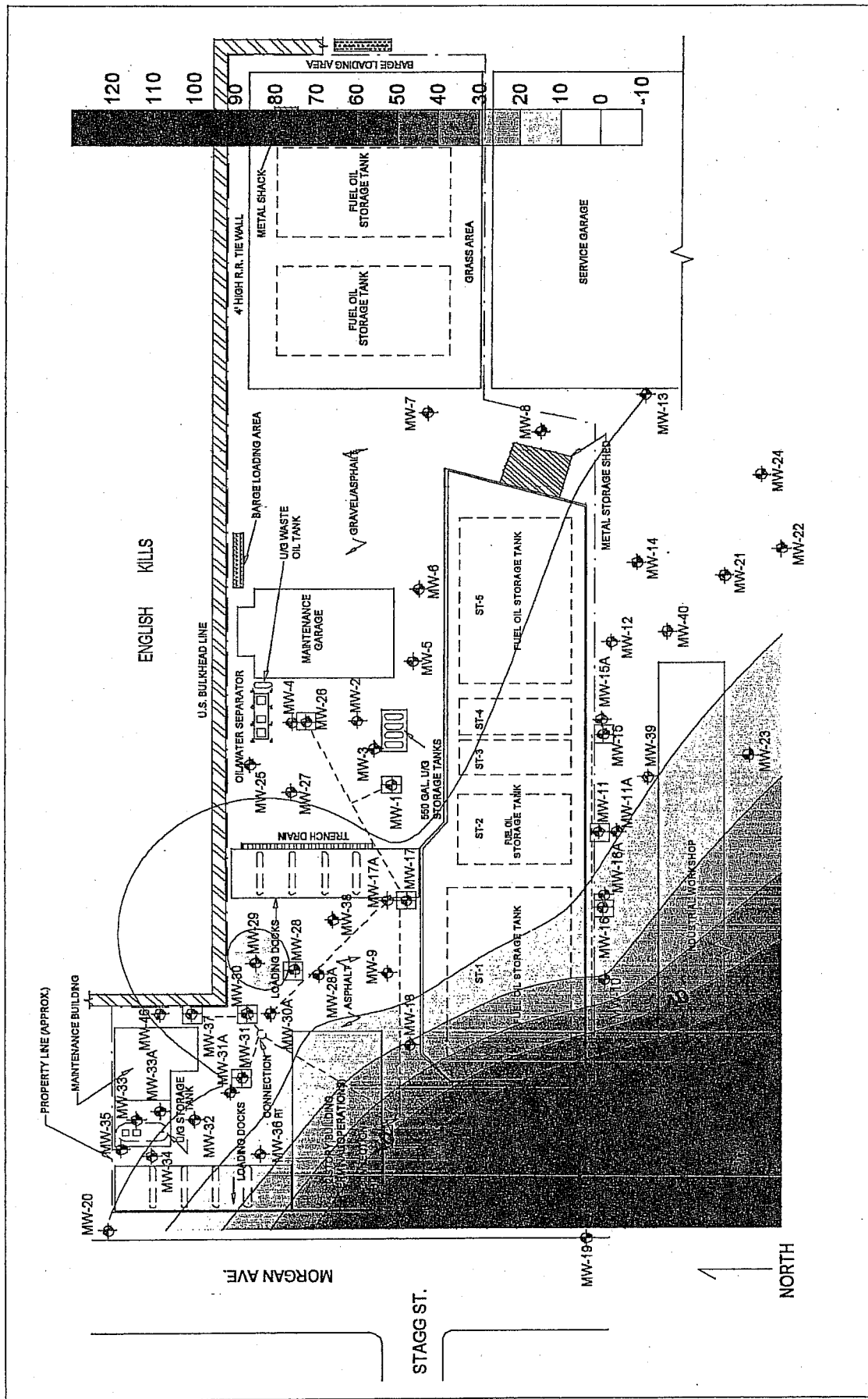
Site Map


200 Morgan Ave, Brooklyn, NY

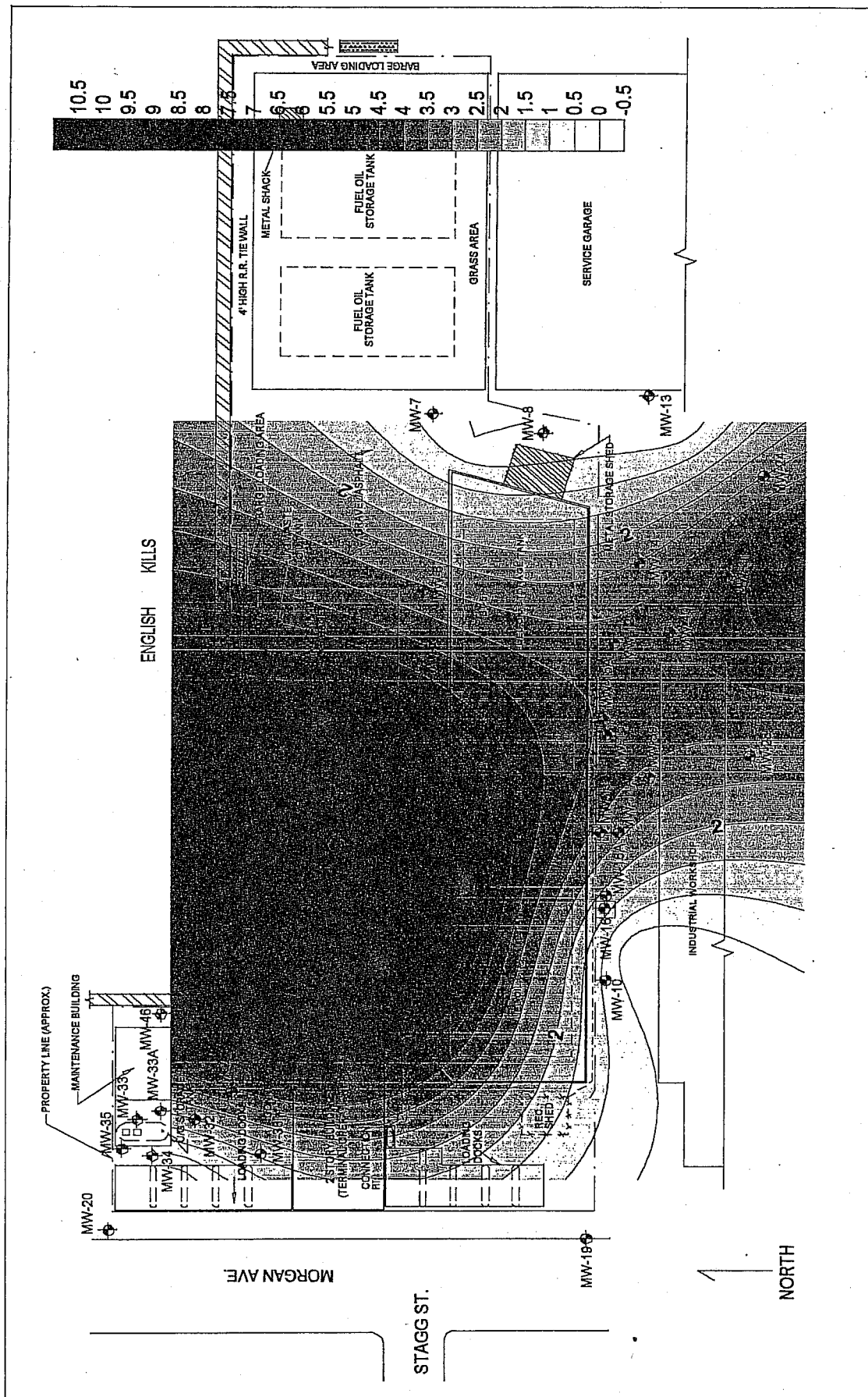
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 <p>Miller Environmental Group, Inc. 1 N12th Street, Brooklyn, NY 11211</p>	<p>MTBE Plume Map 6-03 Morgan Terminal Spill # 92-09135</p>		<p>Site Map 200 Morgan Ave, Brooklyn, NY scale: Graphic date revised: drawn by:</p>	
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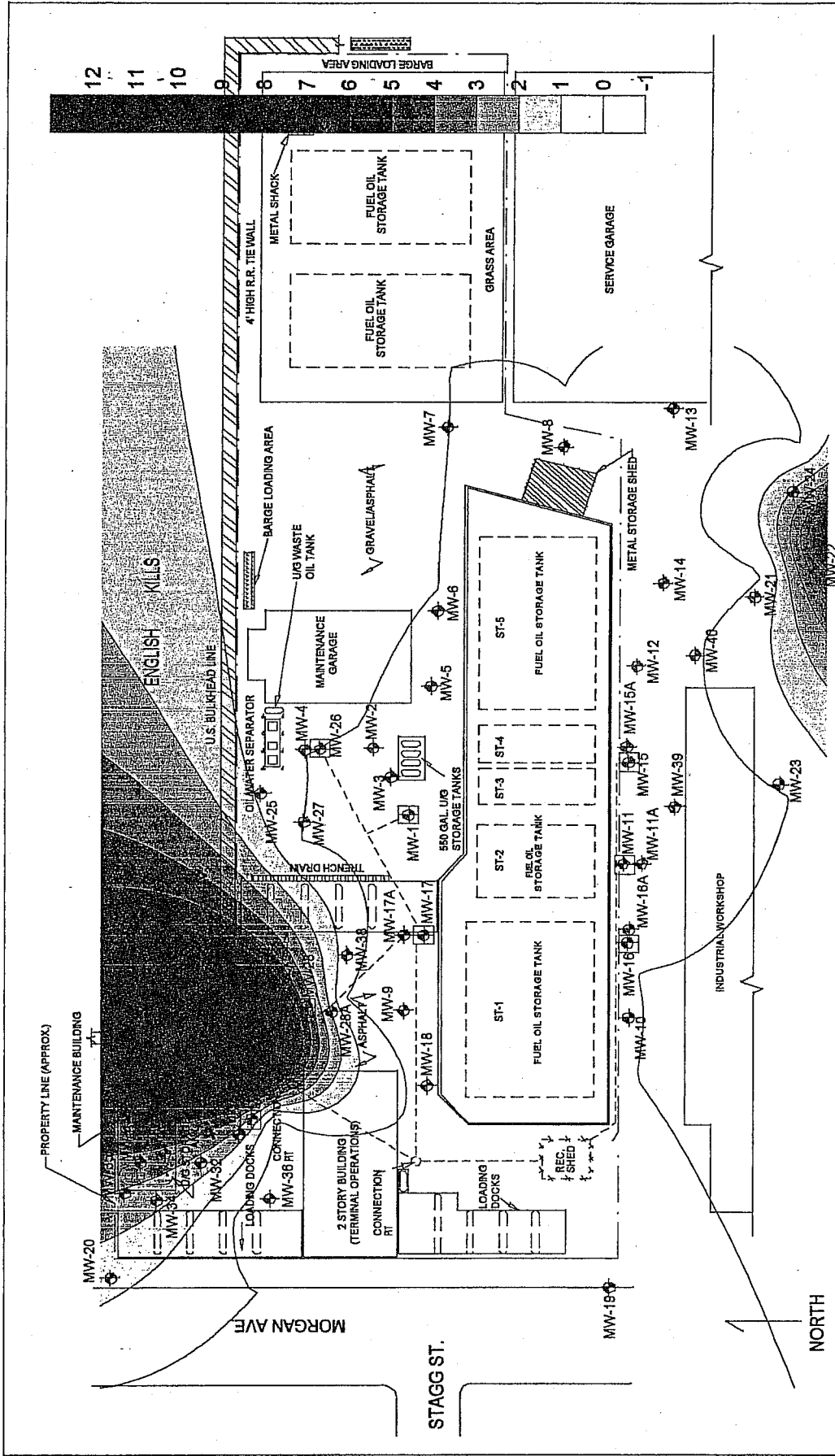
Miller Environmental Group, Inc.
1 N12th Street, Brooklyn, NY 11211

MTBE Plume Map 9-03
Morgan Terminal
Spill # 92-09135

Site Map

200 Morgan Ave, Brooklyn, NY

scale: **Graphic**
date revised: drawn by:



Miller Environmental Group, Inc.
1 N12th Street, Brooklyn, NY 11211

MTBE Plume Map 12-03
Morgan Terminal
Spill # 92-09135

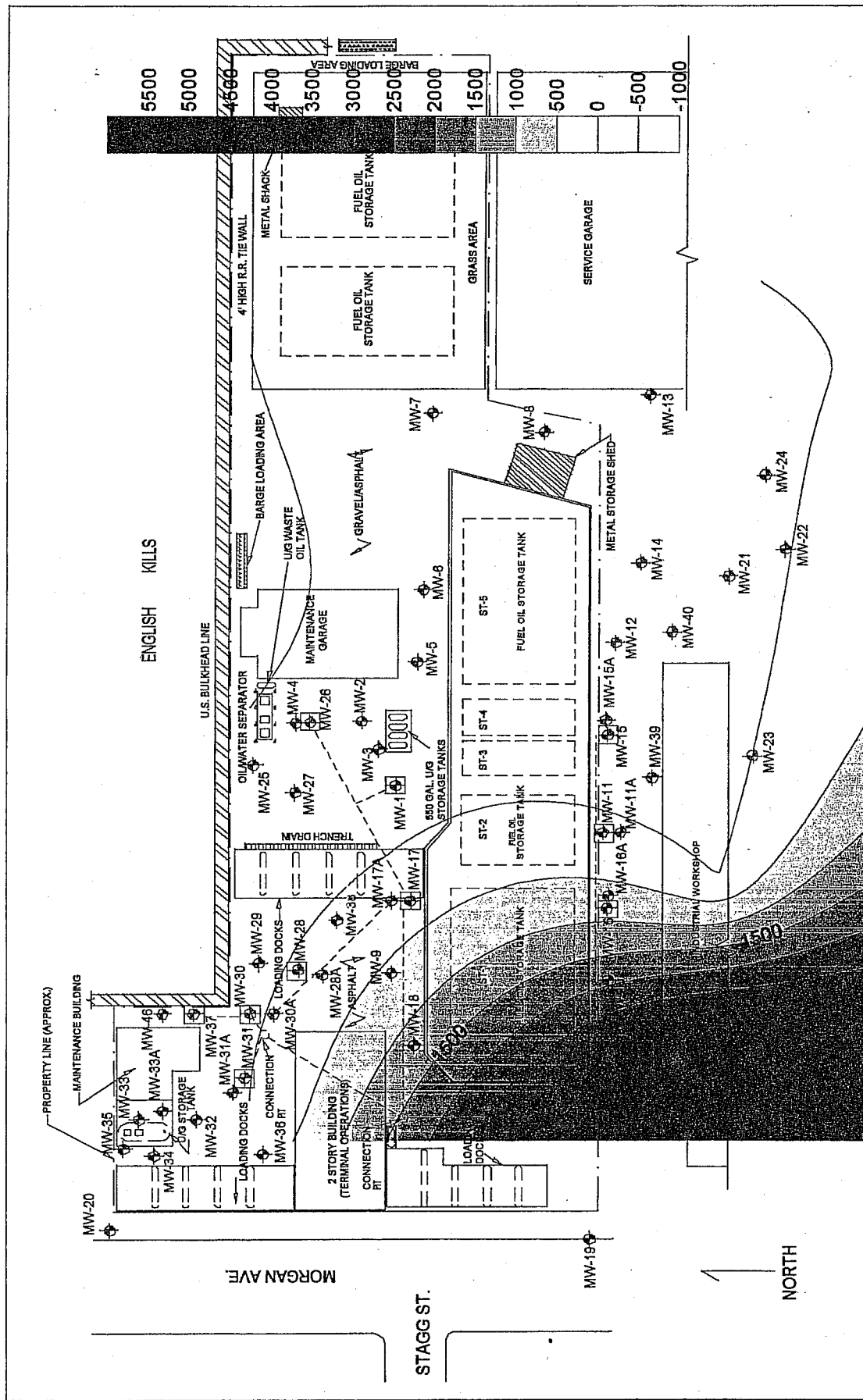
Site Map

200 Morgan Ave, Brooklyn, NY

scale: **Graphic**

date revised:

drawn by:



Miller Environmental Group, Inc.
1 N12th Street, Brooklyn, NY 11211

MTBE Plume Map 3-04
Morgan Terminal
Spill # 92-09135

Site Map

200 Morgan Ave, Brooklyn, NY

scale: **Graphic**
date revised:
drawn by:

Figure 21
Concentration vs Depth to Water
MW-20

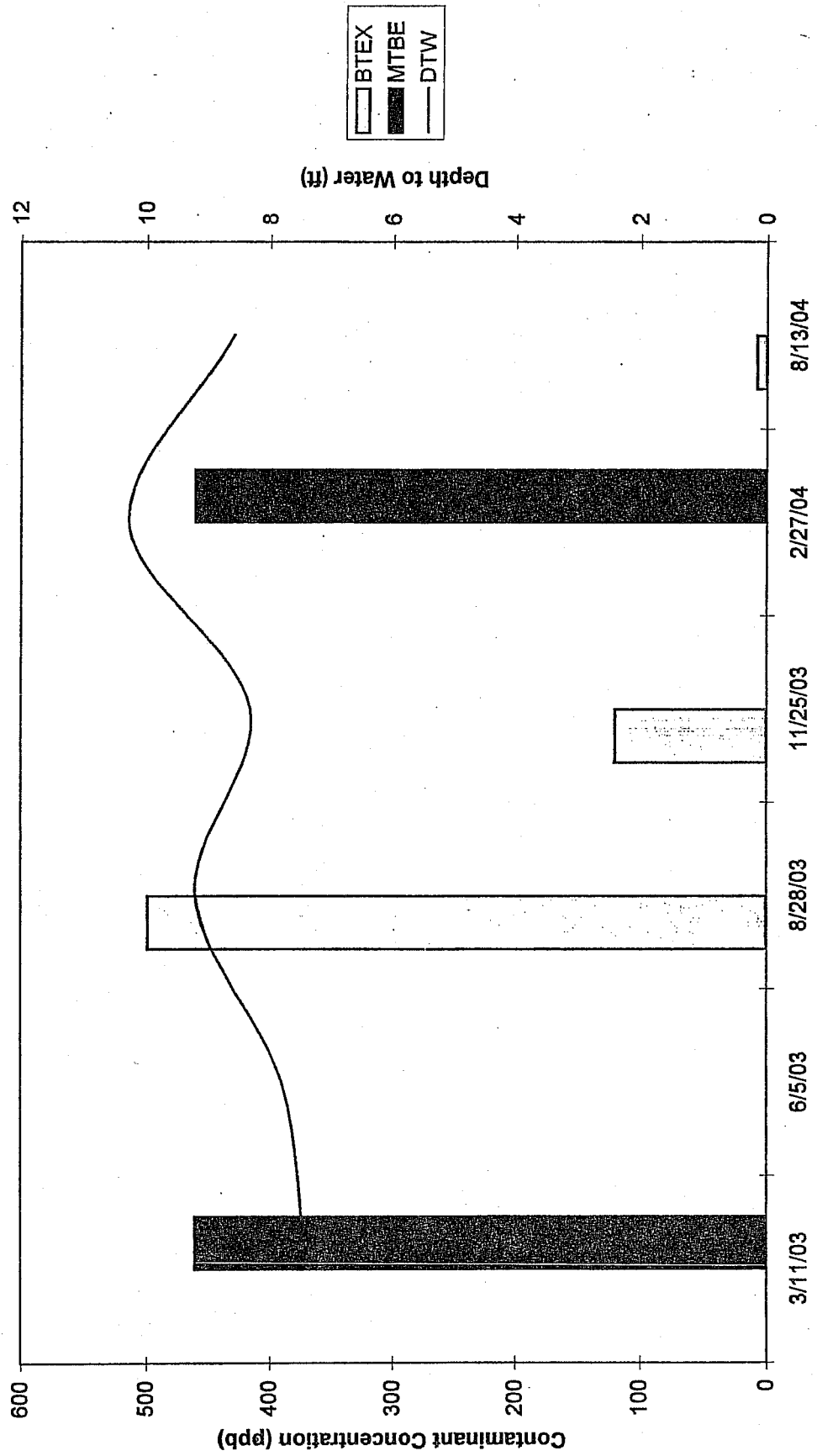


Figure 22
Concentration vs Depth to Water
MW-22

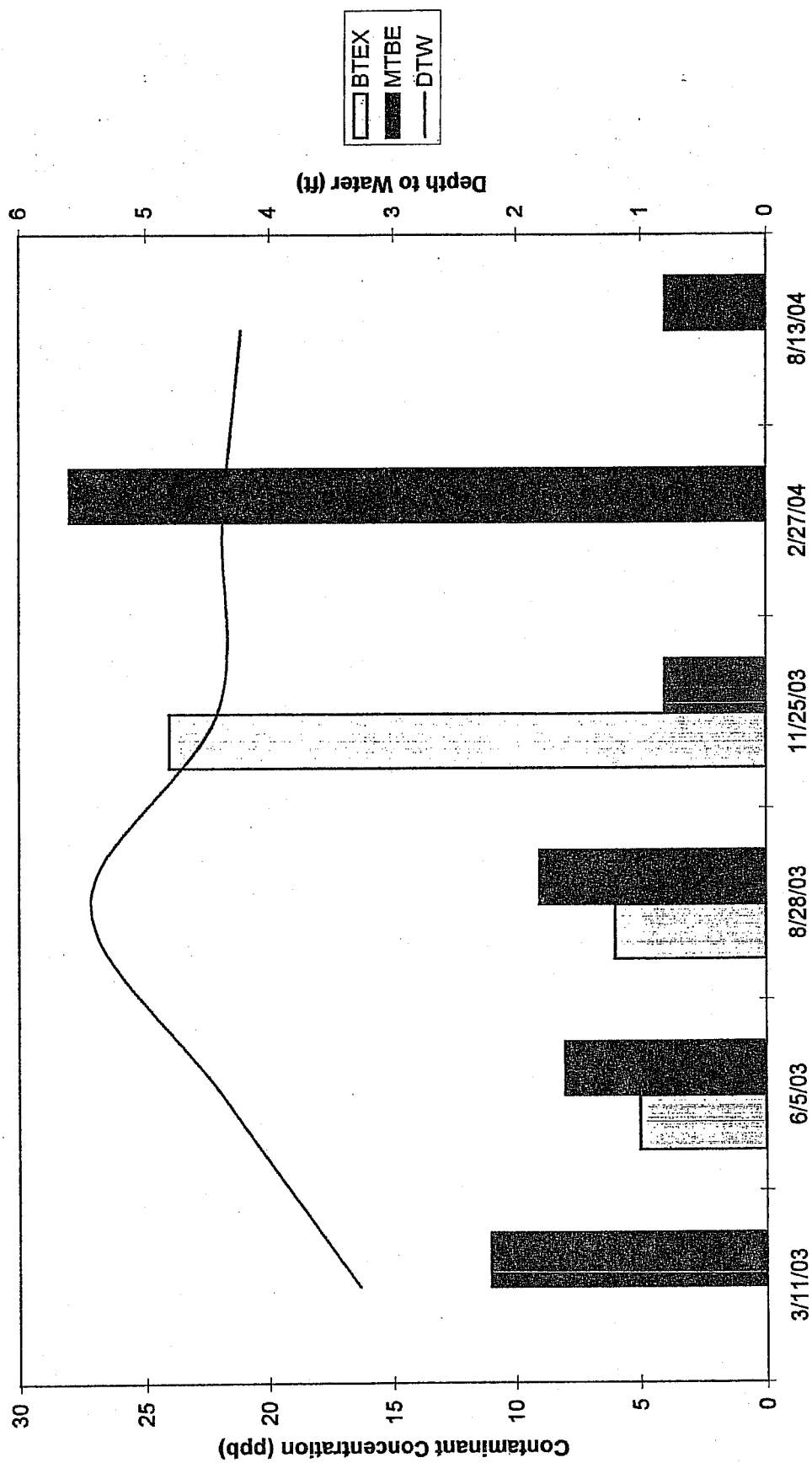


Figure 23
Concentrations vs Depth to Water
MW-23

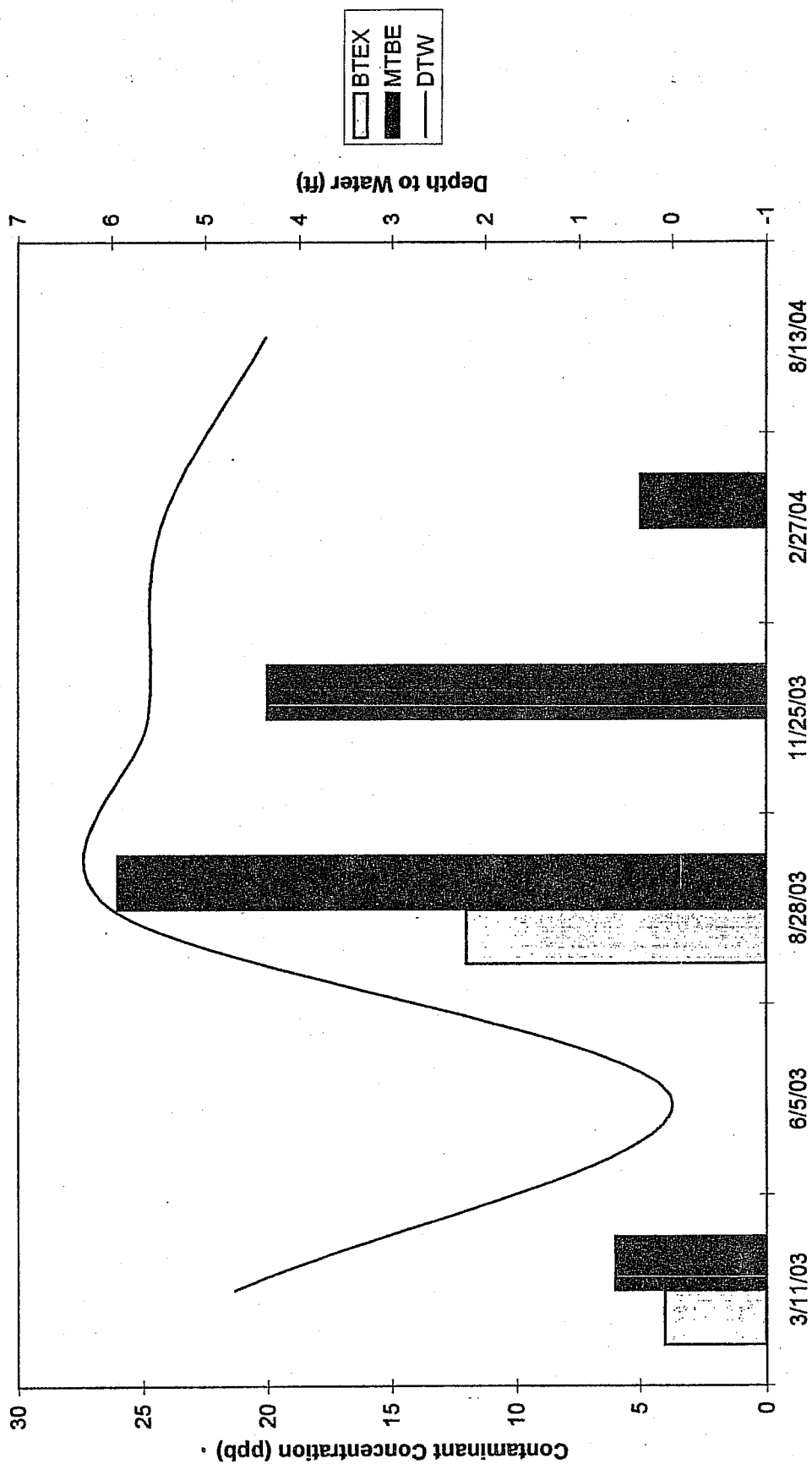
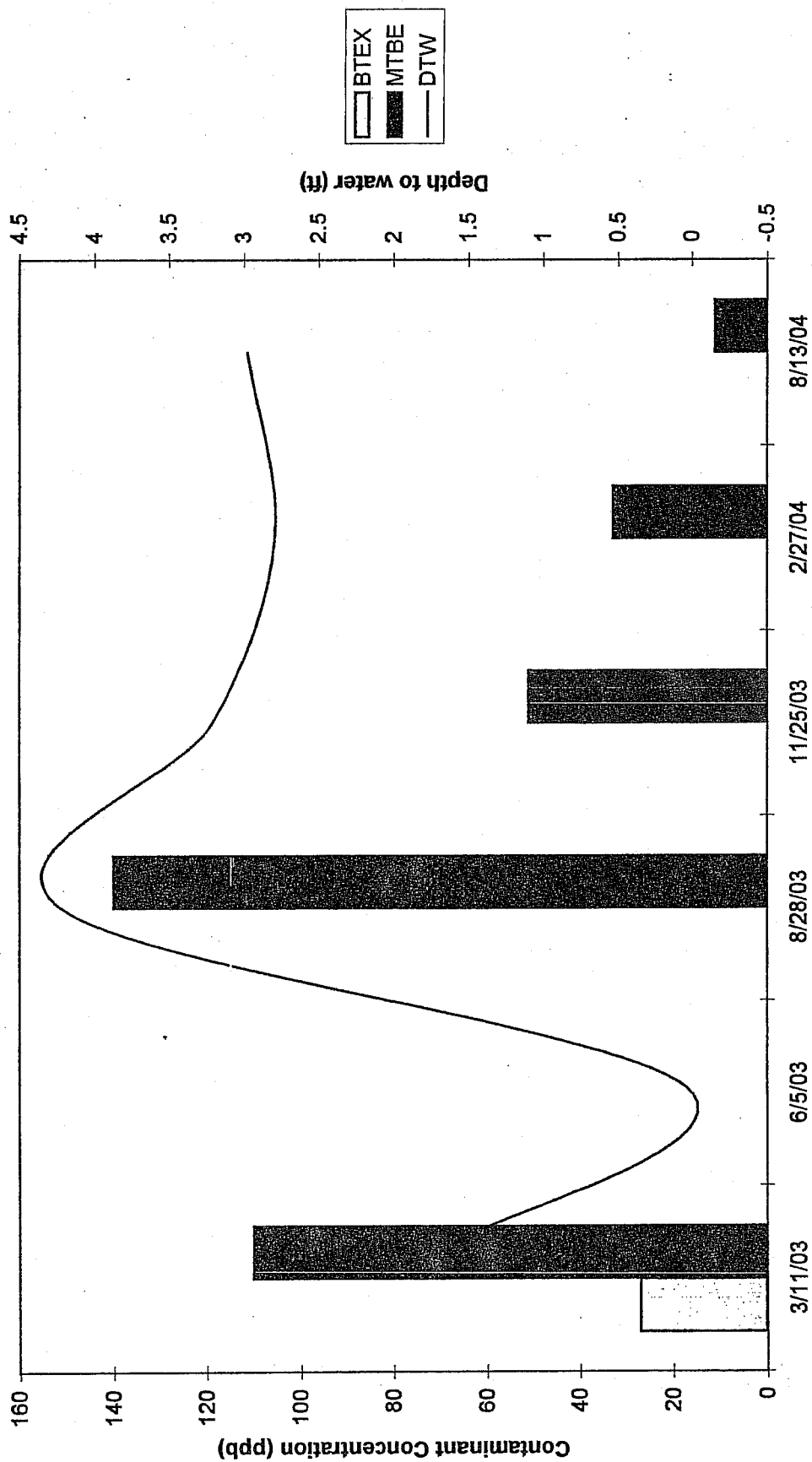


Figure 24
Concentration vs Depth to Water
MW-40



Site Status Monitoring Report **November 2004 – June 2005**

NYSDEC SPILL #92-09135

PIN #92402

MORGAN TERMINAL

200 Morgan Avenue

Brooklyn, New York

PREPARED FOR

JEFFERY VOUGHT
ENGINEERING GEOLOGIST



NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
BUREAU OF SPILL PREVENTION & RESPONSE

REGION 2
HUNTER'S POINT PLAZA
47-40 21ST STREET
LONG ISLAND CITY, NY 11101

PREPARED BY

NATIONAL ENVIRONMENTAL
MANAGEMENT ASSOCIATES CORP
457 MAIN STREET, #161
FARMINGDALE, NY 11935

OCTOBER 2005

National Environmental Management Associates Corp.

October 14, 2005

Mr. Jeffrey Vought
Engineering Geologist
NYSDEC
Bureau of Spill Prevention & Response
Hunter's Point Plaza
47-40 21st Street
Long Island City, NY 11101

Re: Spill No. 92-09135
Morgan Terminal
200 Morgan Avenue
Brooklyn, NY

Dear Mr. Vought:

Enclosed is the Site Status Monitoring report for the above-referenced site. The monitoring period includes November 2004 to June 2005.

If there are any questions, please do not hesitate to contact me via email (gmenegio@nemassociates.com) or via phone (631-905-4869).

Very truly yours,


Greg Menegio
Project Manager

2005 OCT 17 AM 2:50

RECEIVED
NYS DEC REGION 2

Site Status Monitoring Report

November 2004 – June 2005

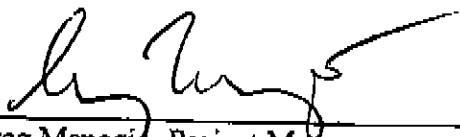
**MORGAN TERMINAL
200 Morgan Avenue
Brooklyn, New York**

**NYSDEC SPILL # 92-09135
NYSDEC PIN # 92402**

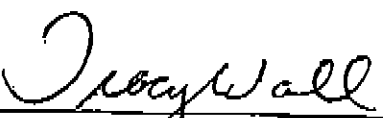
Prepared for:

Jeffrey Vought, Engineering Geologist
New York State Department of Environmental Conservation, Region 2
Hunter's Point Plaza
47-40 21st Street
Long Island City, New York 11101

Prepared by:



Greg Menegio, Project Manager
National Environmental
Management Associates Corp.
457 Main Street, # 161
Farmingdale, New York 11735



Tracy Wall, Hydrogeologist
National Environmental
Management Associates Corp.
457 Main Street, # 161
Farmingdale, New York 11735

October 2005

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<u>Attachments</u>		
A	Miller Environmental Group, Inc. Water Table Elevation Monitoring Tables	
B	Hydrographs	

Site Status Monitoring Report
Morgan Terminal, 200 Morgan Avenue, Brooklyn, NY
NYSDEC Spill No. 92-09135

Site Status Monitoring Report

Morgan Terminal
200 Morgan Avenue,
Brooklyn, New York

NYSDEC Spill #92-09135
PIN # 92402

1.0 INTRODUCTION

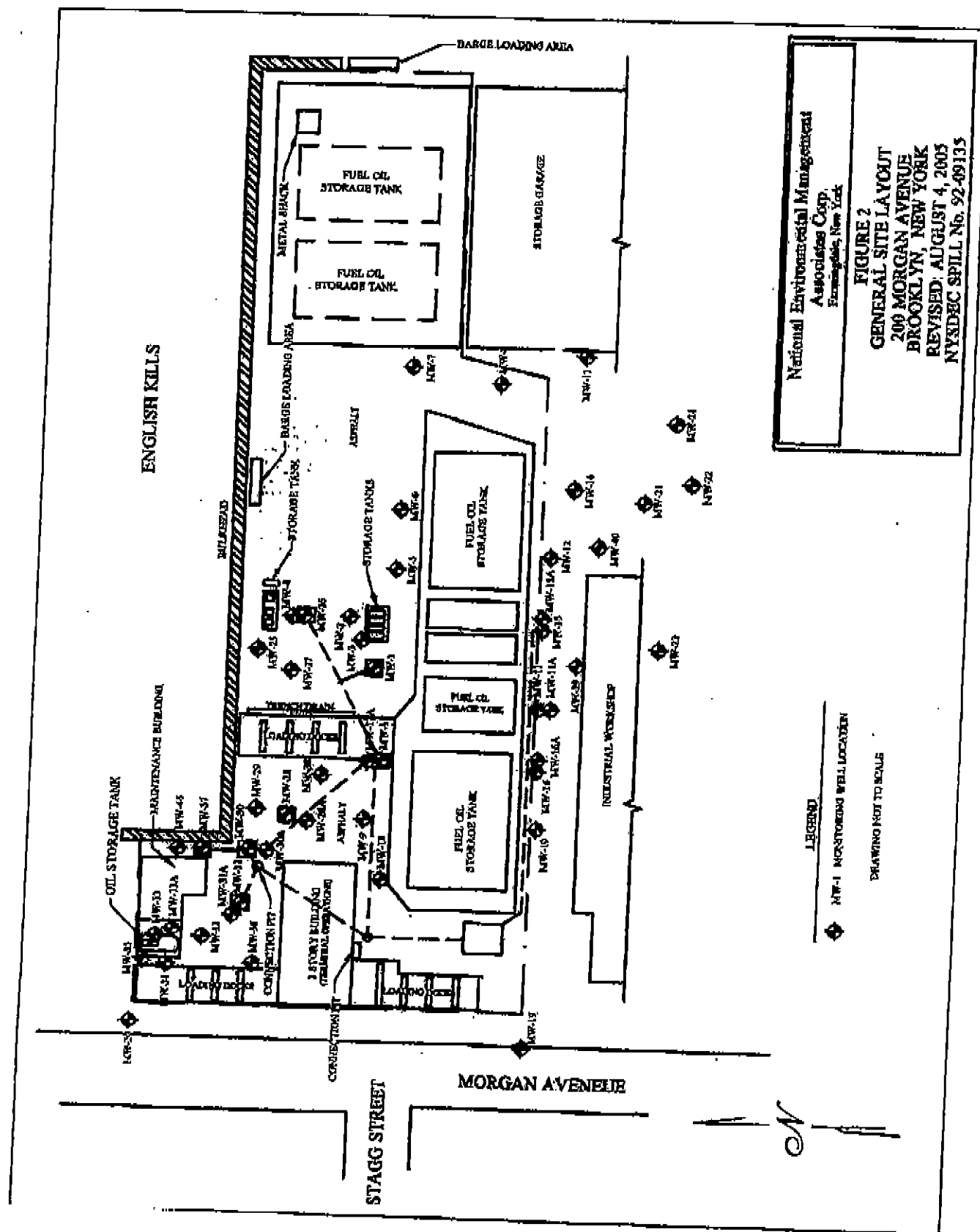
Since January 2005, National Environmental Management Associates Corp. (NEMA) has been contracted (NYSDEC Contract No. D400316) to perform monthly fluid-level monitoring and quarterly groundwater sampling at the above-referenced site. NYSDEC Spill No. 92-09135 and PIN No. 92402 are assigned to the site. Figure 1 shows the location of the site. Figure 2 shows the general layout of the property and the locations of the groundwater monitoring wells. This report summarizes monitoring and sampling events from November 2004 through June 2005. Fluid-level monitoring and groundwater sampling events were performed by Miller Environmental Group, Inc. (MEG) from November 2004 to January 12, 2005. NEMA performed fluid-level monitoring and groundwater sampling events from January 31, 2005 to June 2005.

2.0 HISTORY

According to information summarized from monitoring reports provided by the previous contractor (MEG), Morgan Terminal was previously utilized as a bulk oil storage facility for No. 6 fuel oil and diesel fuel. The property is located immediately east of Morgan Avenue, and an inlet of the English Kills is located immediately north of the property. The property is presently abandoned. The original property buildings included a two-story terminal-operations building and several small one-story maintenance buildings and sheds. Also, a large retaining wall holds five large fuel oil tanks that have been abandoned in place. Presently, the terminal-operations building and the retaining wall with the abandoned tanks remain on the property.

Figure 1
Site Location Map
Morgan Terminal
200 Morgan Avenue, Brooklyn, NY
NYSDEC Spill No. 92-09135 & NYSDEC PIN No. 92402





Site Status Monitoring Report
Morgan Terminal, 200 Morgan Avenue, Brooklyn, NY
NYSDEC Spill No. 92-09135

Following the abandonment of the property, the NYSDEC contracted Fenly and Nicol Environmental, Inc. to install and maintain a remediation system. The system included ten ejector wells, an air compressor, a 1,000-gallon oil/water separator, and two 275-gallon product storage tanks. Effluent water from the separator was sent through an activated carbon system prior to discharging to the public sanitary sewer system.

In 1999, MEG was contracted by the NYSDEC to maintain the remediation system at the property, perform monthly fluid-level monitoring, perform quarterly groundwater sampling, and perform vacuum enhanced fluid recovery (VEFR) activities at the property. The remediation system was shut down due to the viscosity of product in 2004. Bi-weekly monitoring and quarterly sampling were continued by MEG subsequent to the discontinuation of the remediation activities at the property.

3.0 FLUID-LEVEL MONITORING

3.1 Fluid-Level Monitoring Methods

On a bi-weekly basis, groundwater monitoring wells at Morgan Terminal are checked for the presence of light non-aqueous phase liquid (LNAPL; such as, free-phase petroleum product) using a Solinst oil-water sonic interface meter, Model 122 (or similar equipment). Prior to its use, the oil-water interface probe is decontaminated using distilled water and critical-cleaning detergent (such as, Liqui-Nox) wash with a distilled water rinse. If the presence of product is detected, the depth to product is measured. Product thickness is not recorded due to the viscosity of the product. If there is no evidence of product, the depth to groundwater is measured. All of the measurements are recorded to the nearest one-hundredth of a foot, and all of the depths are reported in feet below the top of the well casing.

3.2 Fluid-Level Monitoring Results

MEG performed bi-weekly fluid-level monitoring from November 2004 through January 12, 2005. A copy of the fluid-level monitoring results performed by MEG is provided in Attachment A. Floating product was noted in MW-32, MW-33A, and MW-34 from November 2004 through January 2005; MW-11A, MW-15A, and MW-17A from November 2004 through December 2004; MW-12 during

Table 1
Fluid-Level Monitoring Results
Morgan Terminal
200 Morgan Ave, Brooklyn, NY
NYSDEC Spill No. 92-09135, NYSDEC PIN No. 92402

Date	Location														
	MW-1			MW-2			MW-3			MW-4			MW-5		
	DTW	DTP	PT	DTW	DTP	PT	DTW	DTP	PT	DTW	DTP	PT	DTW	DTP	PT
January 31, 2005	NL	-	-	NL	-	-	NL	-	-	NL	-	-	NL	-	-
February 7, 2005	3.70	-	-	NL	-	-	4.86	-	-	NL	-	-	NL	-	-
February 22, 2005	3.28	-	-	NL	-	-	NL	-	-	NL	-	-	NL	-	-
March 7, 2005	3.08	-	-	NL	-	-	NL	-	-	NL	-	-	NL	-	-
March 21, 2005	3.57	-	-	NL	-	-	NL	-	-	NL	-	-	NL	-	-
April 4, 2005	2.30	-	-	4.06	-	-	NL	-	-	6.19	-	-	NL	-	-
April 19, 2005	2.32	-	-	NL	-	-	NL	-	-	6.65	-	-	3.86	-	-
May 6, 2005	3.20	-	-	NL	-	-	NL	-	-	6.62	-	-	3.71	-	-
May 17, 2005	4.79	-	-	NL	-	-	NL	-	-	NL	-	-	Dry	-	-
May 31, 2005	3.95	-	-	NL	-	-	NL	-	-	NL	-	-	1.42	-	-
June 21, 2005	4.01	-	-	NL	-	-	NL	-	-	NL	-	-	NL	-	-

Table 1 (continued)
Fluid-Level Monitoring Results
Morgan Terminal
200 Morgan Ave, Brooklyn, NY
NYSDEC Spill No. 92-09135, NYSDEC PIN No. 92402

Date	Location											
	MW-6			MW-7			MW-8			MW-9		
	DTW	DTP	PT	DTW	DTP	PT	DTW	DTP	PT	DTW	DTP	PT
January 31, 2005	NL	-	-	NL	-	-	NL	-	-	5.83	-	-
February 7, 2005	NL	-	-	NL	-	-	NL	-	-	5.75	-	-
February 22, 2005	NL	-	-	NL	-	-	NL	-	-	5.07	-	-
March 7, 2005	NL	-	-	NL	-	-	NL	-	-	5.00	-	-
March 21, 2005	NL	-	-	NL	-	-	NL	-	-	5.32	-	-
April 4, 2005	3.90	-	-	NL	-	-	NL	-	-	3.78	-	-
April 19, 2005	4.91	-	-	NL	-	-	NL	-	-	4.44	-	-
May 6, 2005	5.49	-	-	NL	-	-	NL	-	-	4.95	-	-
May 17, 2005	5.79	-	-	NL	-	-	NL	-	-	5.42	-	-
May 31, 2005	5.97	-	-	NL	-	-	NL	-	-	5.58	-	-
June 21, 2005	6.06	-	-	NL	-	-	NL	-	-	5.80	-	-

Table 1 (continued)
Fluid-Level Monitoring Results
Morgan Terminal
200 Morgan Ave, Brooklyn, NY
NYSDEC Spill No. 92-09135, NYSDEC PIN No. 92402

Date	Location														
	MW-11			MW-11A			MW-12			MW-13			MW-14		
	DTW	DTP	PT	DTW	DTP	PT	DTW	DTP	PT	DTW	DTP	PT	DTW	DTP	PT
January 31, 2005	NL	-	-	-	3.70	-	NL	-	-	3.58	-	-	3.35	-	-
February 7, 2005	2.42	-	-	-	3.38	-	1.43	-	-	2.70	-	-	2.55	-	-
February 22, 2005	NA	-	-	-	2.82	-	0.87	-	-	2.30	-	-	2.15	-	-
March 7, 2005	2.12	-	-	-	2.68	-	1.73	-	-	2.97	-	-	2.54	-	-
March 21, 2005	2.36	-	-	-	3.06	-	2.30	-	-	3.46	-	-	2.94	-	-
April 4, 2005	NA	-	-	-	2.08	-	0.45	-	-	1.55	-	-	NA	-	-
April 19, 2005	1.69	-	-	-	2.38	1.42	1.20	-	-	2.89	-	-	2.45	-	-
May 6, 2005	2.21	-	-	-	2.65	-	2.21	-	-	3.21	-	-	2.75	-	-
May 17, 2005	2.69	-	-	-	3.11	-	2.71	-	-	3.60	-	-	3.27	-	-
May 31, 2005	2.90	-	-	-	3.45	-	2.83	-	-	3.62	-	-	3.26	-	-
June 21, 2005	3.10	-	-	-	3.30	-	3.08	-	-	3.69	-	-	3.34	-	-

Table 1 (continued)
Fluid-Level Monitoring Results
Morgan Terminal
200 Morgan Ave, Brooklyn, NY
NYSDEC Spill No. 92-09135, NYSDEC PIN No. 92402

Date	Location											
	MW-15			MW-15A			MW-16			MW-16A		
	DTW	DTP	PT	DTW	DTP	PT	DTW	DTP	PT	DTW	DTP	PT
January 31, 2005	3.24	-	-	-	3.08	-	4.14	-	-	NA	-	-
February 7, 2005	0.80	-	-	-	2.40	-	2.30	-	-	4.01	-	-
February 22, 2005	1.76	-	-	-	0.56	-	NA	-	-	3.50	-	-
March 7, 2005	-	1.96	-	-	1.91	-	2.10	-	-	3.35	-	-
March 21, 2005	-	2.38	-	-	2.33	-	2.64	-	-	3.71	-	-
April 4, 2005	-	-	-	-	1.20	-	1.57	-	-	2.78	-	-
April 19, 2005	-	1.87	7.63	3.50	1.95	1.55	2.70	-	-	3.06	-	-
May 6, 2005	-	2.02	-	-	2.05	-	3.05	-	-	3.30	-	-
May 17, 2005	-	2.83	-	-	2.69	-	2.57	-	-	3.76	-	-
May 31, 2005	-	2.95	-	-	3.00	-	Dry	-	-	4.09	-	-
June 21, 2005	-	3.02	-	-	2.98	-	Dry	-	-	4.02	-	-

Table 1 (continued)
Fluid-Level Monitoring Results
Morgan Terminal
200 Morgan Ave, Brooklyn, NY
NYSDEC Spill No. 92-09135, NYSDEC PIN No. 92402

Date	Location														
	MW-17A			MW-18			MW-19			MW-20			MW-21		
	DTW	DTP	PT	DTW	DTP	PT	DTW	DTP	PT	DTW	DTP	PT	DTW	DTP	PT
January 31, 2005	-	5.12	-	NA	-	-	NL	-	-	NL	-	-	NL	-	-
February 7, 2005	-	4.79	-	5.97	-	-	7.59	-	-	8.65	-	-	4.14	-	-
February 22, 2005	-	3.70	-	5.53	-	-	7.45	-	-	8.60	-	-	3.60	-	-
March 7, 2005	-	2.70	-	5.42	-	-	7.55	-	-	8.66	-	-	3.85	-	-
March 21, 2005	-	3.40	-	5.85	-	-	7.80	-	-	8.81	-	-	4.13	-	-
April 4, 2005	-	1.70	-	3.95	-	-	6.88	-	-	7.91	-	-	3.32	-	-
April 19, 2005	13.54	3.59	9.95	4.58	-	-	7.20	-	-	8.40	-	-	3.71	-	-
May 6, 2005	-	3.02	-	5.34	-	-	7.35	-	-	8.61	-	-	3.09	-	-
May 17, 2005	-	3.14	-	5.78	-	-	7.37	-	-	8.56	-	-	4.14	-	-
May 31, 2005	-	5.20	-	6.10	-	-	7.17	-	-	8.46	-	-	NL	-	-
June 21, 2005	-	5.28	-	6.14	-	-	6.96	-	-	8.54	-	-	NA	-	-

Table 1 (continued)
Fluid-Level Monitoring Results
Morgan Terminal
200 Morgan Ave, Brooklyn, NY
NYSDEC Spill No. 92-09135, NYSDEC PIN No. 92402

Date	Location											
	MW-22			MW-23			MW-24			MW-25		
	DTW	DTP	PT	DTW	DTP	PT	DTW	DTP	PT	DTW	DTP	PT
January 31, 2005	NL	-	-	NL	-	-	NL	-	-	NL	-	-
February 7, 2005	4.65	-	-	NL	-	-	4.60	-	-	8.08	-	-
February 22, 2005	4.37	-	-	NL	-	-	4.48	-	-	7.96	-	-
March 7, 2005	4.55	-	-	NL	-	-	4.65	-	-	10.90	-	-
March 21, 2005	4.80	-	-	NL	-	-	4.93	-	-	NA	-	-
April 4, 2005	4.11	-	-	4.06	-	-	4.18	-	-	10.25	-	-
April 19, 2005	4.46	-	-	4.63	-	-	4.59	-	-	10.35	-	-
May 6, 2005	4.62	-	-	4.63	-	-	4.08	-	-	7.95	-	-
May 17, 2005	4.82	-	-	4.95	-	-	4.95	-	-	8.65	-	-
May 31, 2005	4.83	-	-	5.20	-	-	4.97	-	-	10.62	-	-
June 21, 2005	4.81	-	-	5.07	-	-	4.90	-	-	10.18	-	-

Table 1 (continued)
Fluid-Level Monitoring Results
Morgan Terminal
200 Morgan Ave, Brooklyn, NY
NYSDC Spill No. 92-09135, NYSDEC PIN No. 92402

Date	Location														
	MW-27			MW-28			MW-28A			MW-29			MW-30		
	DTW	DTP	PT	DTW	DTP	PT	DTW	DTP	PT	DTW	DTP	PT	DTW	DTP	PT
January 31, 2005	6.68	-	-	7.85	-	-	8.02	-	-	8.13	-	-	-	8.05	-
February 7, 2005	6.15	-	-	7.00	-	-	7.15	-	-	8.65	-	-	-	8.76	-
February 22, 2005	6.16	-	-	7.02	-	-	7.14	-	-	8.03	-	-	-	9.42	-
March 7, 2005	6.34	-	-	8.84	-	-	7.89	-	-	10.92	-	-	-	10.88	-
March 21, 2005	NA	-	-	8.23	-	-	8.33	-	-	10.20	-	-	-	10.20	-
April 4, 2005	5.95	-	-	7.21	-	-	7.35	-	-	NA	-	-	-	10.58	-
April 19, 2005	6.41	-	-	7.79	-	-	7.88	-	-	10.31	-	-	-	10.52	-
May 6, 2005	6.18	-	-	7.29	-	-	7.39	-	-	8.01	-	-	-	7.80	-
May 17, 2005	6.41	-	-	7.71	-	-	7.73	-	-	7.40	-	-	-	7.70	-
May 31, 2005	6.58	-	-	8.11	-	-	8.22	-	-	10.79	-	-	-	10.80	-
June 21, 2005	NA	-	-	7.78	-	-	7.89	-	-	10.42	-	-	-	11.06	-

Table 1 (continued)
Fluid-Level Monitoring Results
Morgan Terminal
200 Morgan Ave, Brooklyn, NY
NYSDEC Spill No. 92-09135, NYSDEC PIN No. 92402

Date	Location											
	MW-30A			MW-31			MW-31A			MW-32		
	DTW	DTP	PT	DTW	DTP	PT	DTW	DTP	PT	DTW	DTP	PT
January 31, 2005	8.78	-	-	8.70	-	-	9.36	-	-	-	9.45	-
February 7, 2005	9.90	-	-	8.35	-	-	9.10	-	-	-	9.54	-
February 22, 2005	8.95	-	-	8.45	-	-	9.20	-	-	-	9.57	-
March 7, 2005	NA	-	-	8.90	-	-	-	9.60	-	-	9.62	-
March 21, 2005	10.68	-	-	9.10	-	-	-	9.81	-	-	9.75	-
April 4, 2005	10.50	-	-	7.97	-	-	-	8.22	-	-	8.54	-
April 19, 2005	11.15	-	-	10.00	8.80	1.20	9.45	8.95	0.50	-	9.05	-
May 6, 2005	8.31	-	-	-	8.32	-	-	9.04	-	-	9.30	-
May 17, 2005	8.61	-	-	-	8.55	-	-	8.5-	-	-	9.38	-
May 31, 2005	11.15	-	-	-	8.95	-	-	9.45	-	-	9.51	-
June 21, 2005	10.64	-	-	-	9.32	-	-	9.16	-	-	9.42	-

Table 1 (continued)
Fluid-Level Monitoring Results
Morgan Terminal
200 Morgan Ave, Brooklyn, NY
NYSDEC Spill No. 92-09135, NYSDEC PIN No. 92402

Date	Location														
	MW-33A			MW-34			MW-35			MW-36			MW-37		
	DTW	DTP	PT	DTW	DTP	PT	DTW	DTP	PT	DTW	DTP	PT	DTW	DTP	PT
January 31, 2005	-	9.45	-	-	9.30	-	9.38	-	-	9.20	-	-	8.27	-	-
February 7, 2005	-	9.31	-	-	9.19	-	9.10	-	-	9.20	-	-	9.10	-	-
February 22, 2005	-	9.41	-	-	9.02	-	9.19	-	-	9.22	-	-	8.98	-	-
March 7, 2005	-	9.76	-	-	9.18	-	9.39	-	-	9.39	-	-	10.25	-	-
March 21, 2005	-	9.94	-	-	9.37	-	9.70	-	-	9.35	-	-	10.26	-	-
April 4, 2005	-	9.56	-	-	9.08	-	8.45	-	-	8.46	-	-	10.94	-	-
April 19, 2005	-	9.60	-	-	8.78	-	9.25	-	-	8.66	-	-	10.91	-	-
May 6, 2005	-	9.19	-	-	8.09	-	9.00	-	-	8.90	-	-	6.60	-	-
May 17, 2005	-	9.33	-	-	9.00	-	9.14	-	-	8.97	-	-	8.00	-	-
May 31, 2005	-	9.51	-	-	8.92	-	9.25	-	-	9.01	-	-	Dry	-	-
June 21, 2005	-	9.58	-	-	8.54	-	9.15	-	-	9.08	-	-	11.00	-	-

Table 1 (continued)
Fluid-Level Monitoring Results
Morgan Terminal
200 Morgan Ave, Brooklyn, NY
NYSDEC Spill No. 92-09135, NYSDEC PIN No. 92402

Date	Location											
	MW-38			MW-39			MW-40			MW-46		
	DTW	DTP	PT	DTW	DTP	PT	DTW	DTP	PT	DTW	DTP	PT
January 31, 2005	NL	-	-	NL	-	-	3.65	-	-	8.87	-	-
February 7, 2005	5.25	-	-	NL	-	-	3.00	-	-	9.65	-	-
February 22, 2005	4.71	-	-	NL	-	-	2.48	-	-	8.76	-	-
March 7, 2005	4.62	-	-	NL	-	-	3.00	-	-	9.83	-	-
March 21, 2005	4.96	-	-	NL	-	-	3.45	-	-	9.20	-	-
April 4, 2005	3.97	-	-	NL	-	-	2.24	-	-	8.80	-	-
April 19, 2005	4.32	-	-	NL	-	-	2.78	-	-	9.15	-	-
May 6, 2005	4.65	-	-	NL	-	-	3.01	-	-	8.72	-	-
May 17, 2005	5.06	-	-	NL	-	-	3.42	-	-	8.57	-	-
May 31, 2005	5.31	-	-	NL	-	-	3.60	-	-	8.86	-	-
June 21, 2005	5.36	-	-	NL	-	-	3.58	-	-	8.81	-	-

Notes:

Measurements are reported in feet below top of well casing.

Thickness of product could not be measured due to viscosity of product.

DTW = Depth to water

DTP = Depth to product

PT = Product Thickness

- = No product detected

NA = Not Accessible

NL = Not Located

Site Status Monitoring Report
Morgan Terminal, 200 Morgan Avenue, Brooklyn, NY
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December 2004; MW-31 and MW-33 during November 2004; and MW-40 during December 2004.

The fluid-level monitoring results for January 2005 through June 2005 are reported in Table 1 of this report, which was performed by NEMA. On a bi-weekly basis, 45 active groundwater monitoring wells associated with the site are checked for the presence of floating product. Floating product was noted in MW-11A, MW-15A, MW-17A, MW-30, MW-32, MW-33A, and MW-34 from January, 2005 through June, 2005. Floating product was also noted in MW-15 and MW-31A from March 2005 through June 2005, and MW-31 from April 2005 through June 2005. Product thickness was not recorded for most of the wells due to the viscous nature of the product. Depth to groundwater measurements were not performed at various wells during various times due to limited access issues at the property.

On April 4, 2005, a spillage of petroleum was noted on the property by NEMA. A pipe associated with the overhead filling station of the operations-terminal appeared to have leaked onto the ground and into a solid bottom drain on the property. The NYSDEC project manager (Michelle Tipple) was notified of the spill. As per Ms. Tipples' request, Milro, Inc. was contracted to clean up the spill. Wastes produced during the cleanup and excess oil was transferred into drums and staged at the site. All of the drums, except one empty drum placed beneath the overhead pipes of the operations-terminal, have since been removed from the site.

4.0 GROUNDWATER SAMPLING

4.1 Groundwater Sampling Methods

Groundwater sampling was performed by NEMA on February 22 and 23, 2005. Prior to the collection of groundwater samples, the groundwater monitoring wells were checked for the presence of floating product using sacrificial polyethylene bailers and a Solinst oil/water sonic interface probe. MW-11A, MW-15A, MW-17A, MW-32, MW-33, MW-33A, and MW-34 were not sampled due to the presence of product in the wells. The sonic interface probe was also used to measure the depth to groundwater to the nearest one-hundredth of a foot. Prior to the collection of the groundwater samples for laboratory chemical analysis, at least three casing volumes of groundwater were purged from each well using submersible pumps to sample the ambient groundwater, unless the well was purged dry.

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The groundwater samples for chemical laboratory analysis were collected using sacrificial polyethylene bailers, placed in laboratory-supplied containers, preserved properly, and were immediately transported to Severn Trent Laboratories, Inc. (STL) for chemical analysis of benzene, toluene, ethylbenzene, xylenes (BTEX), and methyl tertiary butyl ether (MTBE) using EPA Method 8021. A chain of custody form was also completed to document the sequence of sample possession.

3.2 Groundwater Sampling Results

Groundwater sampling was performed by MEG in November 2004 and NEMA in February 2005.

November 18 & 19, 2005 Groundwater Sampling Event

Groundwater sampling was performed by MEG on November 18 and 19, 2004. Table 2 summarizes the groundwater chemical analytical results performed during November 2004. The groundwater chemical analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Class GA Ambient Water Quality Standards (the NYSDEC Groundwater Standards). The total dissolved BTEX and MTBE concentrations for the November 2004 sampling event are provided in Figures 3 and 4.

The groundwater results show detections of BTEX and MTBE at 11 of the 28 wells sampled by MEG. Six of the wells sampled had detections of BTEX and MTBE that exceeded the NYSDEC Groundwater Standards. The most impacted wells are MW-11A, MW-15A, MW-31, MW-32, MW-33, MW-33A, MW-34 due to presence of floating product in the wells. The most impacted well based on dissolved concentrations is MW-19. Xylenes slightly exceeded its NYSDEC Groundwater Standard at MW-14 and MW-22 [at 6 micrograms per liter ($\mu\text{g/L}$) and 6 $\mu\text{g/L}$, respectively]. MTBE exceeded its NYSDEC Groundwater Guidance Value at MW-2, MW-19, MW-25, and MW-29 (at 34 $\mu\text{g/L}$, 57 $\mu\text{g/L}$, 16 $\mu\text{g/L}$, and 11 $\mu\text{g/L}$, respectively). Benzene, ethylbenzene, and toluene did not exceed their NYSDEC Groundwater Standards in any of the well sampled.

February 22 & 23, 2005 Groundwater Sampling Event

Groundwater sampling was performed by NEMA on February 22 and 23, 2005. The groundwater chemical analytical results are summarized in Table 3. The results are compared to the NYSDEC

Table 2
Groundwater Chemical Analytical Results
Morgan Terminal
200 Morgan Ave, Brooklyn, New York
NYSDEC Spill No. 92-09135 & NYSDEC PIN No. 92402

November 18 & 19, 2004

Monitoring Well No.	MW-2	MW-3	MW-4	MW-5	MW-6	MW-8	MW-9	MW-10	MW-12	MW-13	NYSDEC Class GA Ambient Water Quality Standards
Benzene	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	1
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5*
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5*
Xylenes, total	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5*
MTBE	34	ND	4	ND	ND	ND	ND	ND	ND	ND	10

Monitoring Well No.	MW-14	MW-16A	MW-19	MW-20	MW-21	MW-22	MW-23	MW-24	MW-25	NYSDEC Class GA Ambient Water Quality Standards
Benzene	ND	ND	1	ND	ND	ND	ND	ND	ND	1
Toluene	2	ND	ND	ND	ND	3	ND	ND	ND	5*
Ethylbenzene	2	ND	ND	ND	ND	2	ND	ND	ND	5*
Xylenes, total	6	ND	ND	ND	ND	6	ND	ND	ND	5*
MTBE	ND	ND	57	ND	ND	4	3	7	16	10

Table 2 (continued)
Groundwater Chemical Analytical Results
Morgan Terminal
200 Morgan Ave, Brooklyn, New York
NYSDEC Spill No. 92-09135 & NYSDEC PIN No. 92402

November 18 & 19, 2004

Monitoring Well No.	MW-26	MW-27	MW-28A	MW-29	MW-30A	MW-35	MW-36	MW-38	MW-40	NYSDEC Class GA Ambient Water Quality Standards
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	1
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	5*
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	5*
Xylenes, total	ND	ND	ND	ND	ND	ND	ND	ND	ND	5*
MTBE	7	ND	ND	11	ND	ND	ND	ND	15	10

Notes:

Results are reported in micrograms per liter.

NS = Not Sampled

ND = Not Detected

J = Indicates an estimated value.

* = The Principal Organic Contaminant Standard applies to this compound.

Bold values indicate an exceedance of the New York State Department of Environmental Conservation (NYSDEC) Class GA Ambient Water Quality Standards.





Table 3
Groundwater Chemical Analytical Results
Morgan Terminal
200 Morgan Ave, Brooklyn, New York
NYSDEC Spill No. 92-09135 & NYSDEC PIN No. 92402

February 22 & 23, 2005

Monitoring Well No.	MW-1	MW-9	MW-10	MW-12	MW-13	MW-14	MW-15	MW-16A	MW-17	MW-18	NYSDEC Class GA Ambient Water Quality Standards
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1
Toluene	ND	0.82J	ND	ND	ND	ND	ND	ND	ND	ND	5*
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5*
Xylenes, total	ND	1.78J	ND	0.97J	ND	ND	ND	ND	ND	ND	5*
MTBE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10

Monitoring Well No.	MW-19	MW-20	MW-21	MW-22	MW-24	MW-25	MW-27	MW-28	MW-28A	MW-29	NYSDEC Class GA Ambient Water Quality Standards
Benzene	6.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	1
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5*
Ethylbenzene	4.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	5*
Xylenes, total	4.36J	0.93J	ND	ND	ND	ND	0.54J	ND	ND	ND	5*
MTBE	42	ND	1.4	6.4	12	3.6	1.7	ND	ND	16	10

Table 3 (continued)
Groundwater Chemical Analytical Results
Morgan Terminal
200 Morgan Ave, Brooklyn, New York
NYSDEC Spill No. 92-09135 & NYSDEC PIN No. 92402

February 22 & 23, 2005

Monitoring Well No.	MW-30A	MW-31	MW-31A	MW-35	MW-36	MW-37	MW-38	MW-40	MW-46	NYSDEC Class GA Ambient Water Quality Standards
Benzene	ND	ND	ND	ND	ND	ND	1.1	ND	ND	1
Toluene	ND	ND	ND	ND	1.2	ND	ND	ND	ND	5*
Ethylbenzene	ND	ND	ND	ND	ND	ND	0.64J	ND	ND	5*
Xylenes, total	ND	ND	ND	ND	6	ND	0.59J	1.4	ND	5*
MTBE	2	4	ND	ND	ND	16	5.1	9	2.4	10

Notes:

Results are reported in micrograms per liter.

NS = Not Sampled

ND = Not Detected

J = Indicates an estimated value.

* = The Principal Organic Contaminant Standard applies to this compound.

Bold values indicate an exceedance of the New York State Department of Environmental Conservation (NYSDEC) Class GA Ambient Water Quality Standards.

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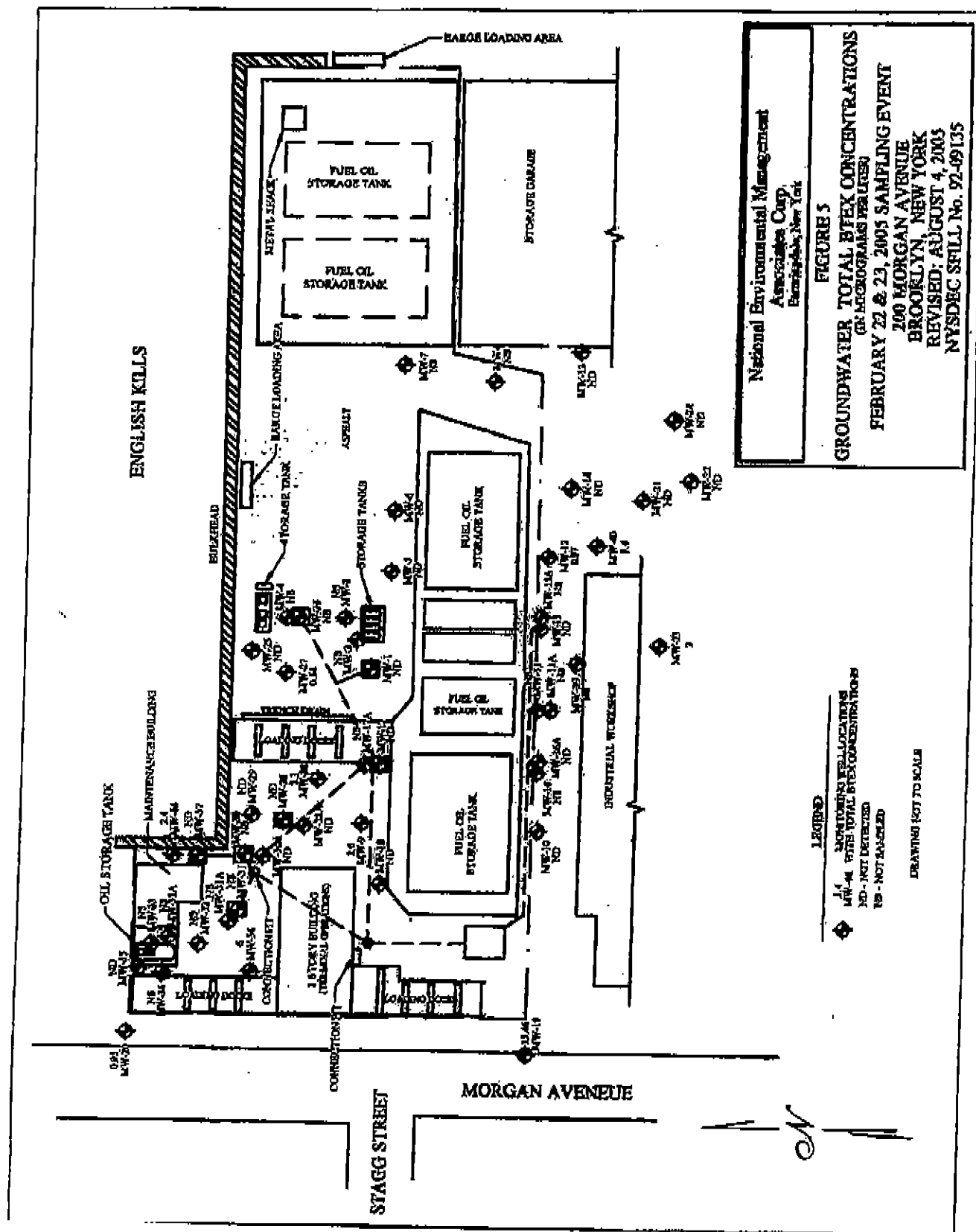
Groundwater Standards. The total dissolved BTEX and MTBE concentrations for the February 2005 sampling event are provided in Figures 5 and 6.

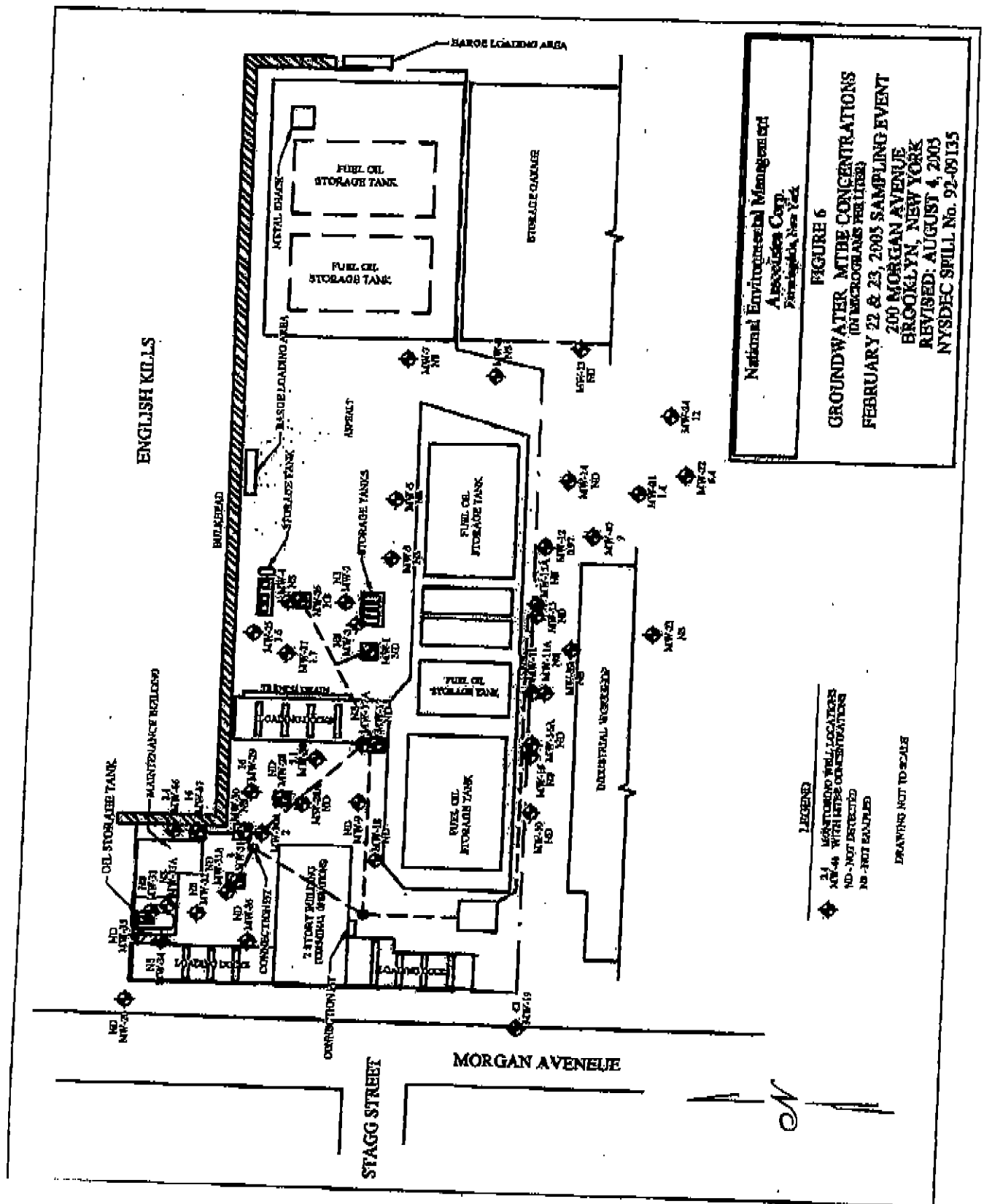
The groundwater results show detections of BTEX and MTBE at 17 of the 29 wells sampled. Six of the wells sampled had detections of BTEX and MTBE that exceeded the NYSDEC Groundwater Standards. The most impacted wells are MW-11A, MW-15A, MW-17A, MW-30, MW-32, MW-33A, and MW-34 due to the presence of floating product in the wells. The most impacted well based on dissolved concentrations is MW-19. Benzene exceeded its NYSDEC Groundwater Standard at MW-19 and MW-38 [at 6.6 micrograms per liter ($\mu\text{g/L}$) and 1.1 $\mu\text{g/L}$, respectively]. Xylenes exceeded its NYSDEC Groundwater Standard at MW-36, (at 6 $\mu\text{g/L}$). MTBE exceeded its NYSDEC Groundwater Guidance Value at MW-19, MW-24, MW-29, and MW-37 (at 42 $\mu\text{g/L}$, 12 $\mu\text{g/L}$, 16 $\mu\text{g/L}$, and 16 $\mu\text{g/L}$, respectively). Toluene and ethylbenzene concentrations did not exceed their NYSDEC Groundwater Standards in any of the wells sampled.

Groundwater samples were not collected from MW-11A, MW-15A, MW-17A, MW-30, MW-32, MW-33A, and MW-34 on February 22 and 23, 2005 due to the presence of floating product in the wells. Groundwater samples were also not collected from MW-2, MW-3, MW-4, MW-5, MW-6, MW-7, MW-8, MW-23, MW-26, and MW-39 due to limited access issues at the property.

5.0 CONCLUSIONS

Based on the results of the groundwater sampling events performed at Morgan Terminal, the groundwater beneath the property continues to be impacted by petroleum constituents. Floating product was detected in 10 of the 45 wells at the site from November 2004 to January 2005, and 11 of the 45 wells at the site from January 2005 to June 2005. Six of the 28 wells sampled during November 2004 by MEG had detections of xylenes and MTBE that exceeded their respective NYSDEC Groundwater Standard and Guidance Value. Six of the 29 wells sampled during February 2005 by NEMA had detections of benzene, xylenes, and MTBE that exceeded their respective NYSDEC Groundwater Standards and Guidance Value.





ATTACHMENT A
MILLER ENVIRONMENTAL GROUP, INC.
WATER TABLE ELEVATION TABLES

Client: NYSDEC Region 2
Spill #: 92-09135

Address: 47-40 21st Street, Long Island City, NY
Site: Morgan Terminal

Date: 11/15/04							
WELL #	DTW	DTP	PT	WELL #	DTW	DTP	PT
1	3.4			21	3.66		
2	3.95			22	4.03		
3	3.27			23	4.15		
4	6.25			24	3.93		
5	3.83			25	7.43		
6	5.80			26	5.74		
7	4.14			27	5.98		
8	1.84			28	7.55		
9	5.74			29	7.86		
10	4.40			30	8.60		
11a	ot	2.68		31	8.74	8.72	0.02
12	2.33			32	ot	8.72	ot
13	1.98			33	ot	9.12	ot
14	2.45			33a	ot	9.05	ot
15a	ot	2.25	ot	34	ot	8.38	ot
16a	3.35			35	8.78		
17a	ot			36	8.47		
18	5.47			38	4.75		
19	6.95			40	2.79		
20	8.38						

DTW Depth to Water
DTP Depth to Product
PT Product Thickness
NA: Not Applicable
ND: Non Detectable
V: Vehicle
O: Oil too thick, couldn't measure DTW

Date: 12/06/04							
WELL #	DTW	DTP	PT	WELL #	DTW	DTP	PT
1	3.73			21	ia		
2	4.87			22	ia		
3	9.66			23	4.96		
4	6.51			24	4.52		
5	4.14			25	9.44		
6	5.81			26	6.11		
7	4.27			27	6.31		
8	2.15			28	8.12		
9	9.82			29	ia		
10	5.65			30	10.14		
11a		3.04		31	9.35		
12		2.86		32		9.64	
13	2.93			33	ia		
14	IA			33a		9.38	
15a		2.98		34		8.88	
16a	4.16			35			
17a		4.85		36	9.15		
18	6.15			38	5.32		
19	7.48			40		3.37	
20	ia						

DTW Depth to Water
 DTP Depth to Product
 PT Product Thickness
 NA: Not Applicable
 ND: Non Detectable
 V: Vehicle
 O: Oil too thick, couldn't measure DTW

Client: NYSDEC Region 2
Spill #: 92-09135

Address: 47-40 21st Street, Long Island City, NY
Site: Morgan Terminal

Date: 12/27/04							
WELL #	DTW	DTP	PT	WELL #	DTW	DTP	PT
1	i			21	i		
2	4.01			22	i		
3	i			23	4.87		
4	6.35			24	i		
5	4.16			25	i		
6	5.90			26	5.86		
7	i			27	6.14		
8	i			28	7.19		
9	8.84			29	8.90		
10	4.97			30	9.27		
11a		3.35		31	9.01		
12	2.43			32		9.33	
13	i			33	i	i	
14	i	i		33a		9.20	
15a	2.67			34		8.89	
16a	3.98			35	9.01		
17a		4.33		36	8.98		
18	i	i		38	5.08		
19	7.50			40	i		
20	i	i					

DTW Depth to Water
DTP Depth to Product
PT Product Thickness
NA: Not Applicable
ND: Non Detectable
V: Vehicle
O: Oil too thick, couldn't measure DTW

Client: NYSDEC Region 2
Spill #: 92-09135

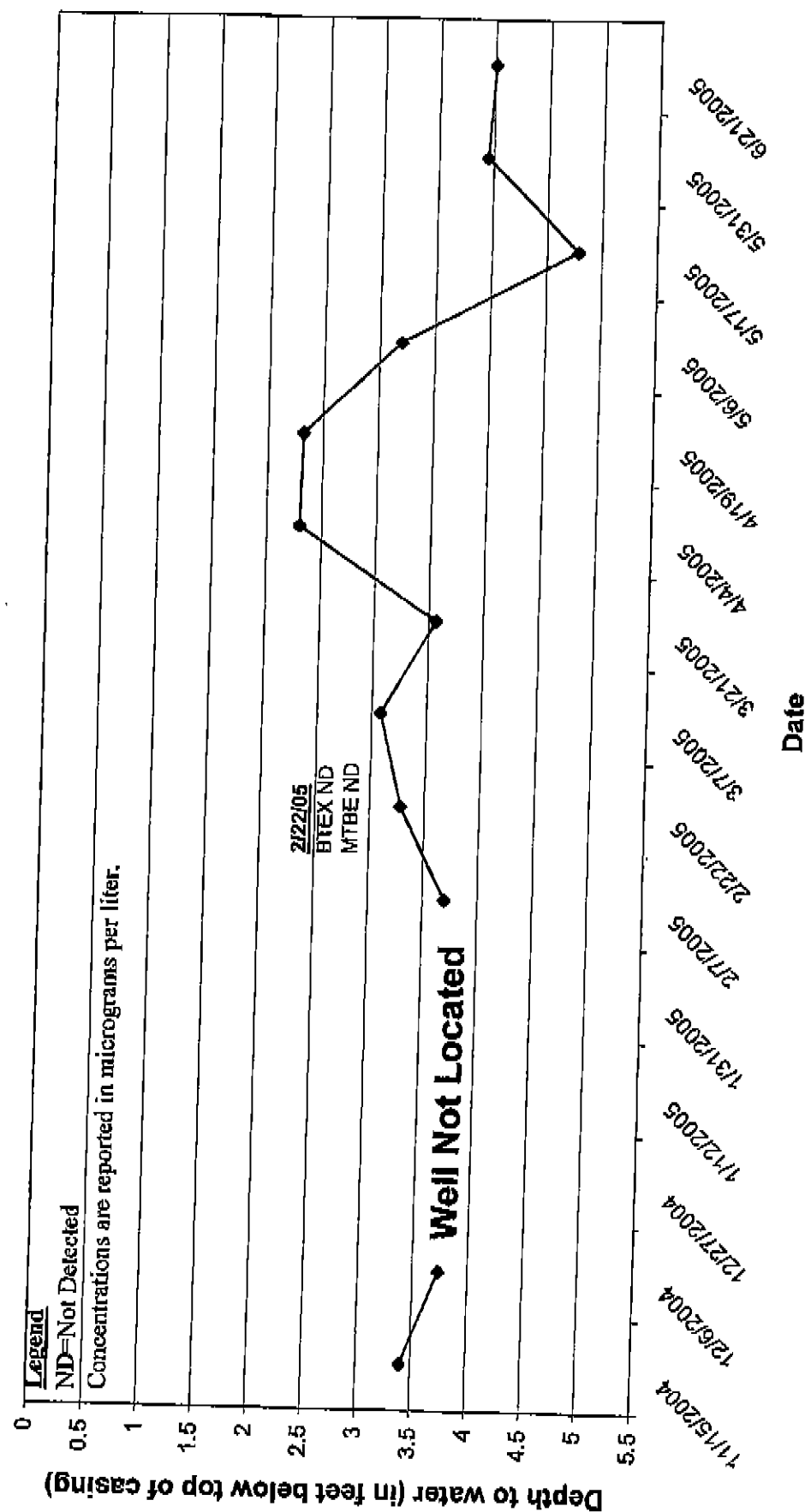
Address: 47-40 21st Street, Long Island City, NY
Site: Morgan Terminal

Date: 01/12/05							
WELL #	DTW	DTP	PT	WELL #	DTW	DTP	PT
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2	c			22	c		
3	c			23	c		
4	c			24	c		
5	c			25	c		
6	c			26	c		
7	c			27	c		
8	c			28	6.64		
9	5.23			29	4.85		
10	4.98			30a	5.79		
11a	2.93			31	9.01		
12	3.73			32		9.51	
13	c			33	c		
14	c			33a		2.80	
15a	2.25			34		8.78	
16a	c			35	8.79		
17a	3.31			36	9.11		
18	c			38	c		
19	7.60			40	4.40		
20	c						

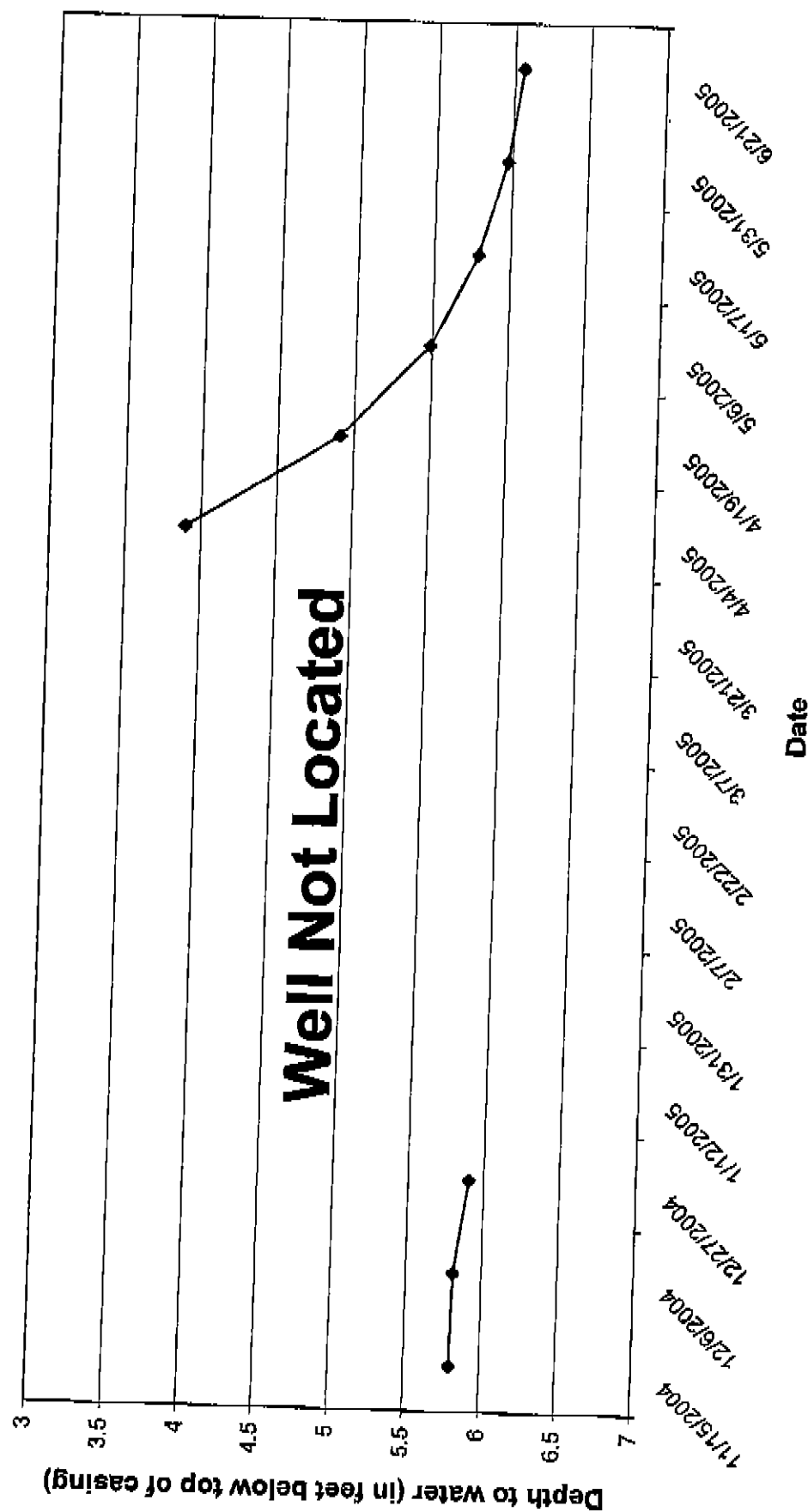
DTW Depth to Water
 DTP Depth to Product
 PT Product Thickness
 NA: Not Applicable
 ND: Non Detectable
 V: Vehicle
 O: Oil too thick, couldn't measure DTW

ATTACHMENT B
HYDROGRAPHS

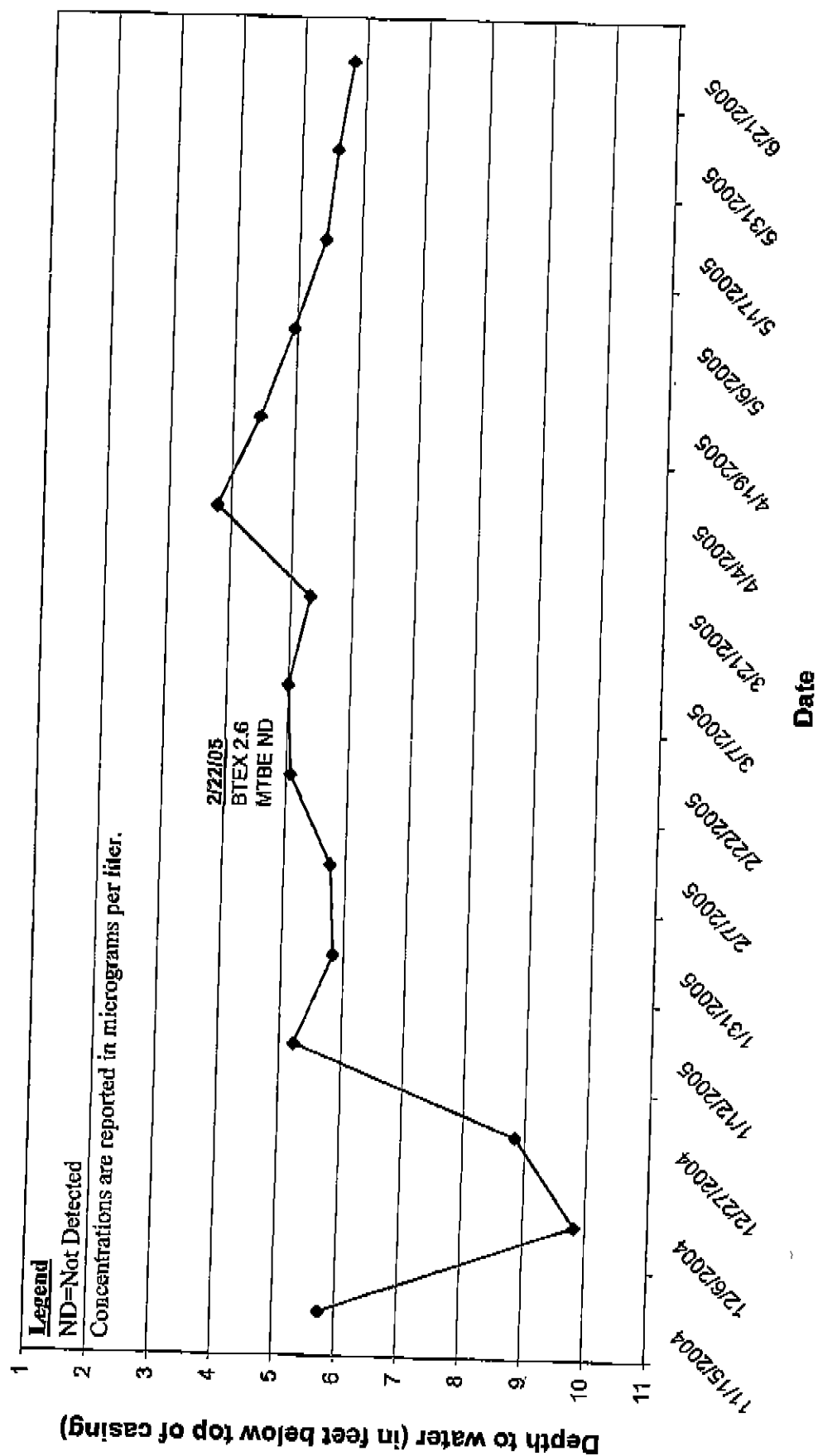
Hydrograph - Well MW-1
200 Morgan Avenue, Brooklyn, NY
NYSDEC Spill No. 92-09135



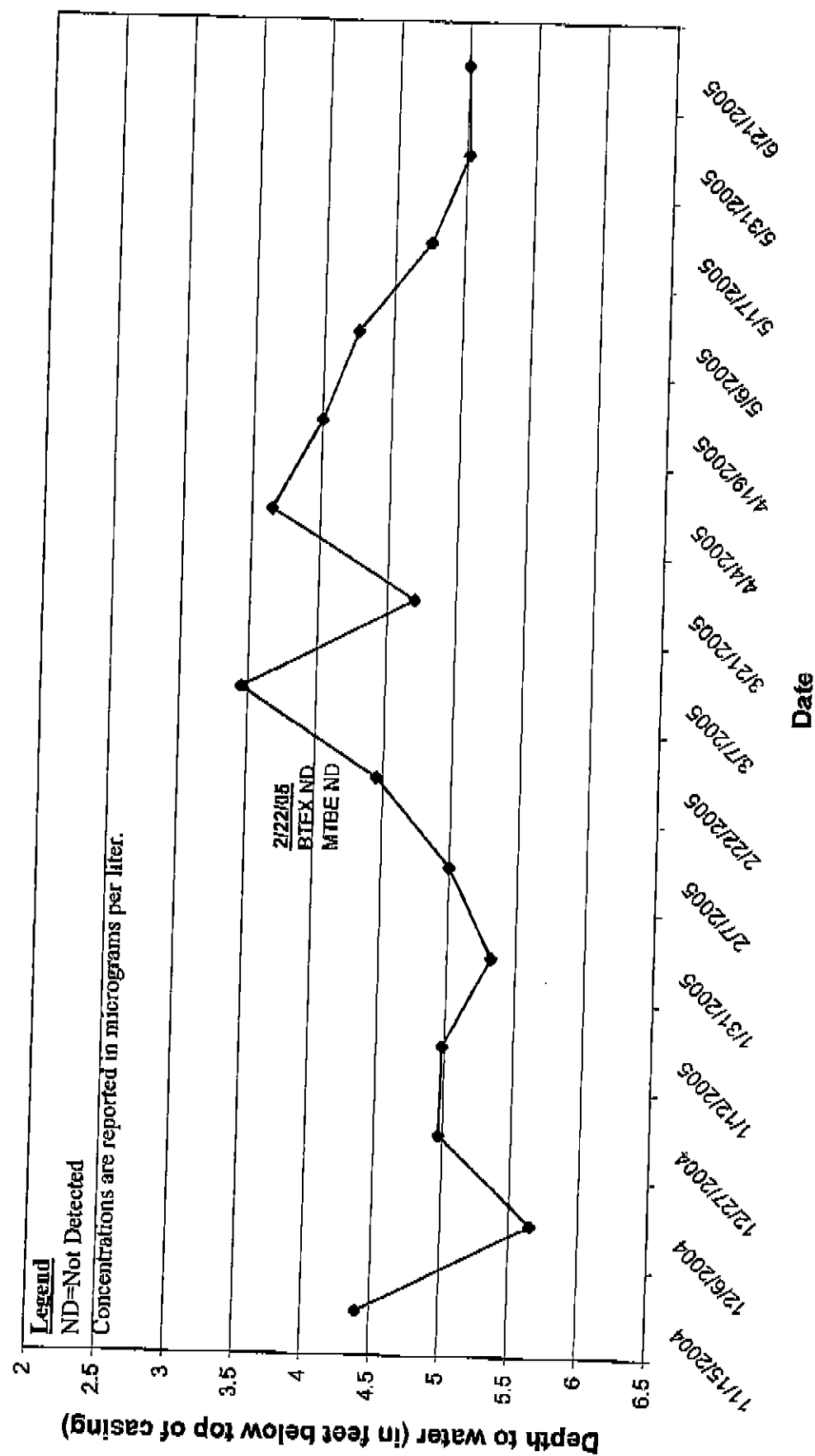
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NYSDEC Spill No. 92-09135**



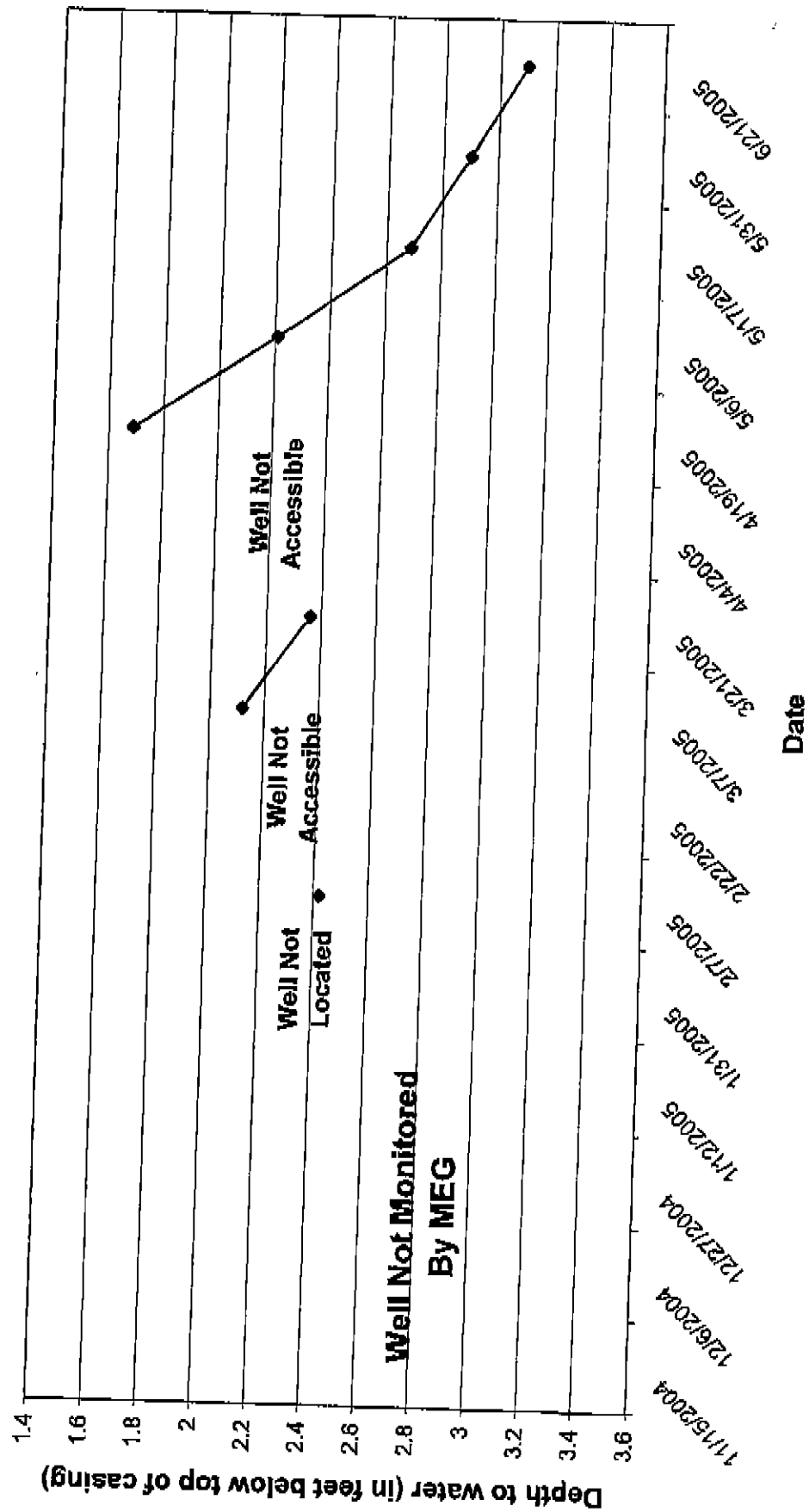
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NYSDEC Spill No. 92-09135**



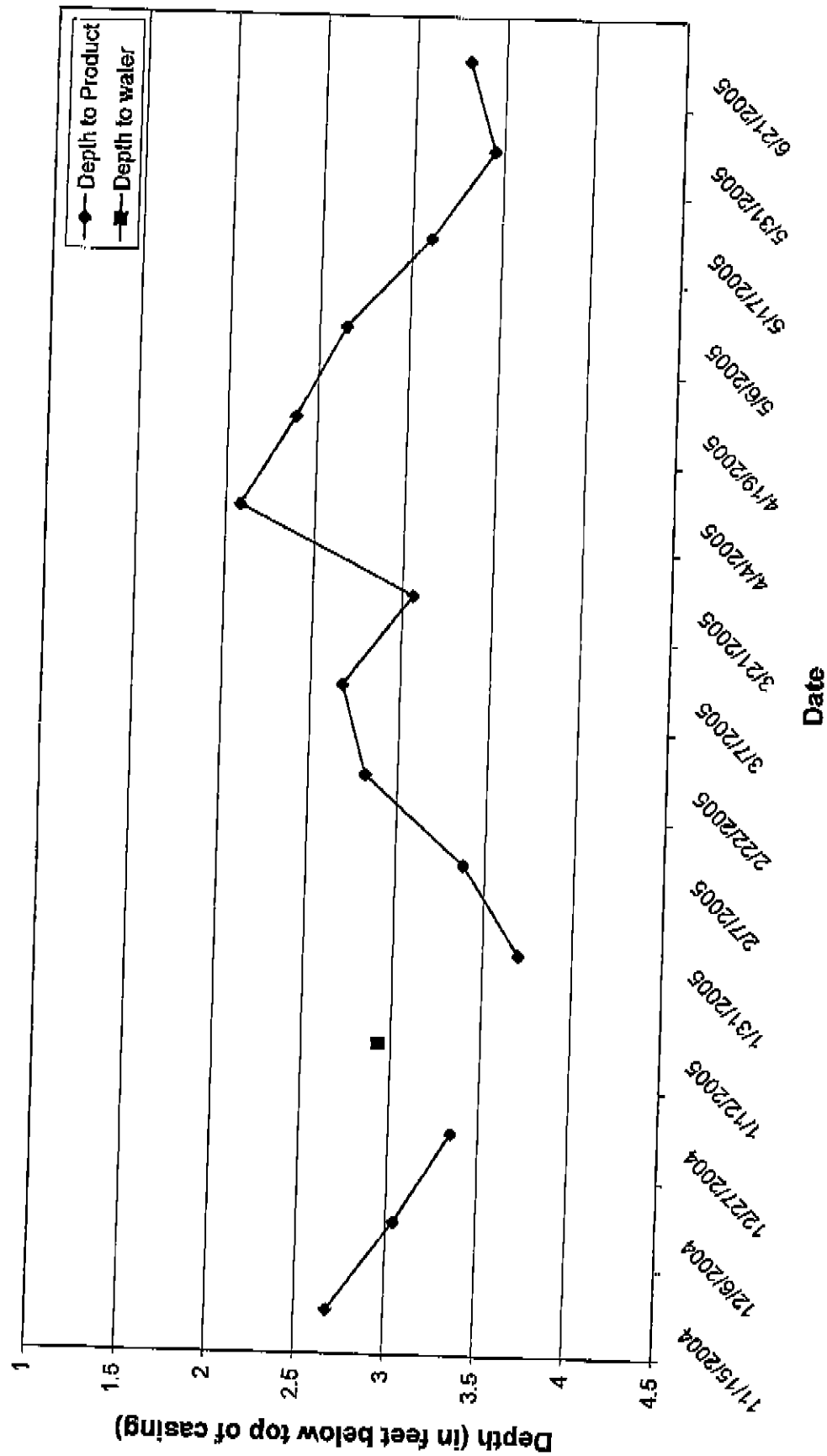
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NYSDEC Spill No. 92-09135



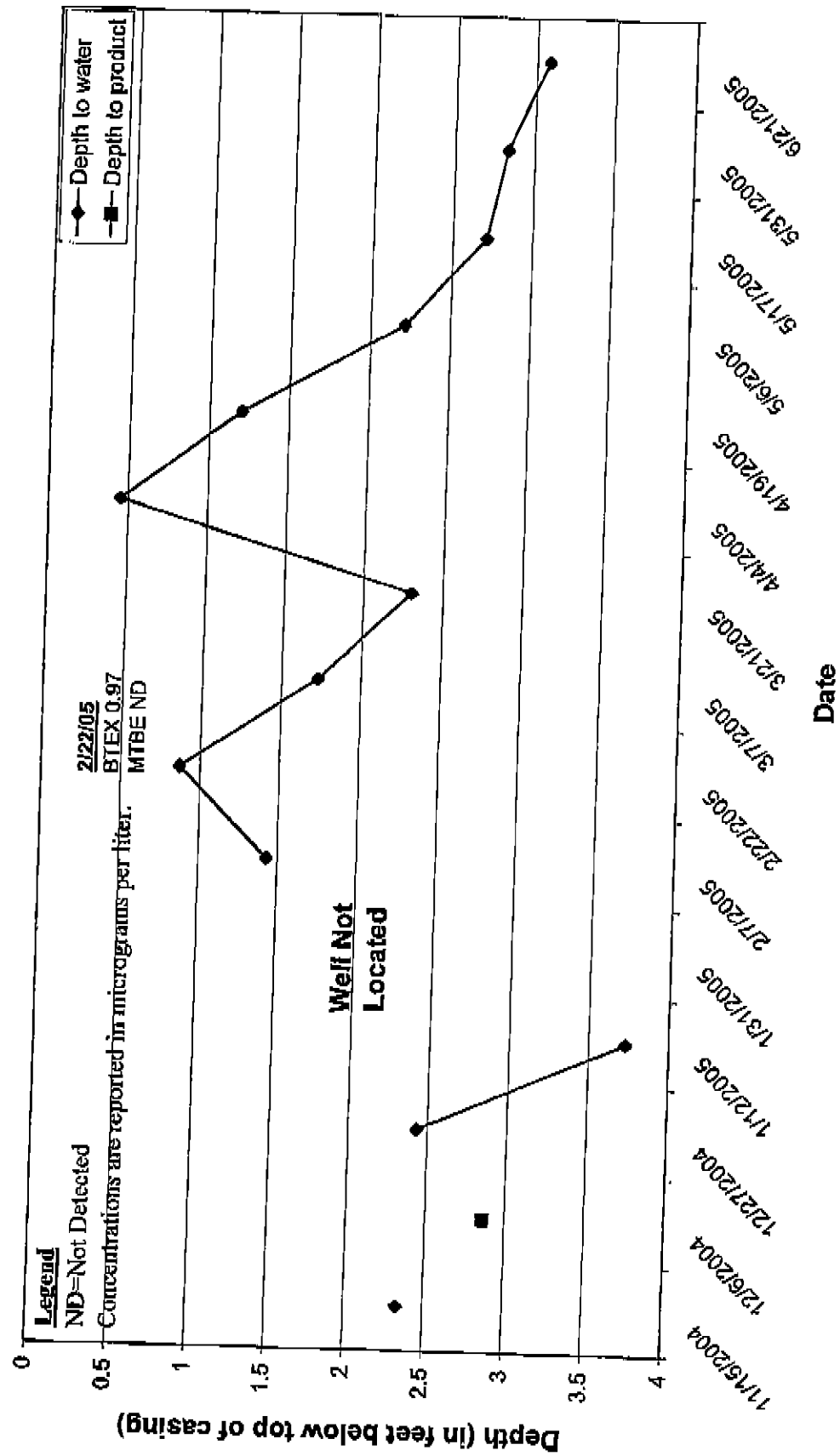
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NYSDEC Spill No. 92-09135**



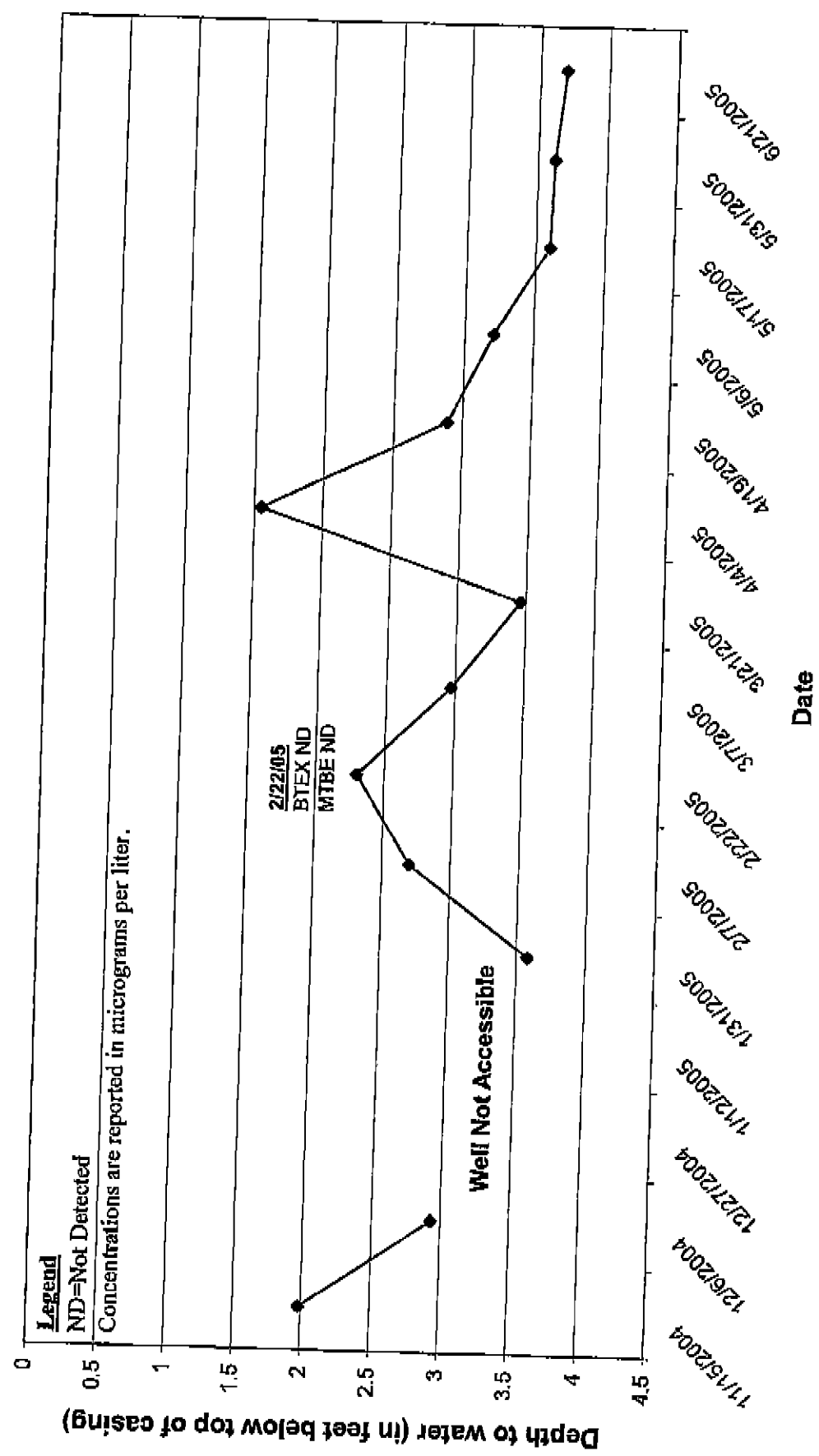
**Hydrograph - Well MW-11A
200 Morgan Avenue, Brooklyn, NY
NYSDEC Spill No. 92-09135**



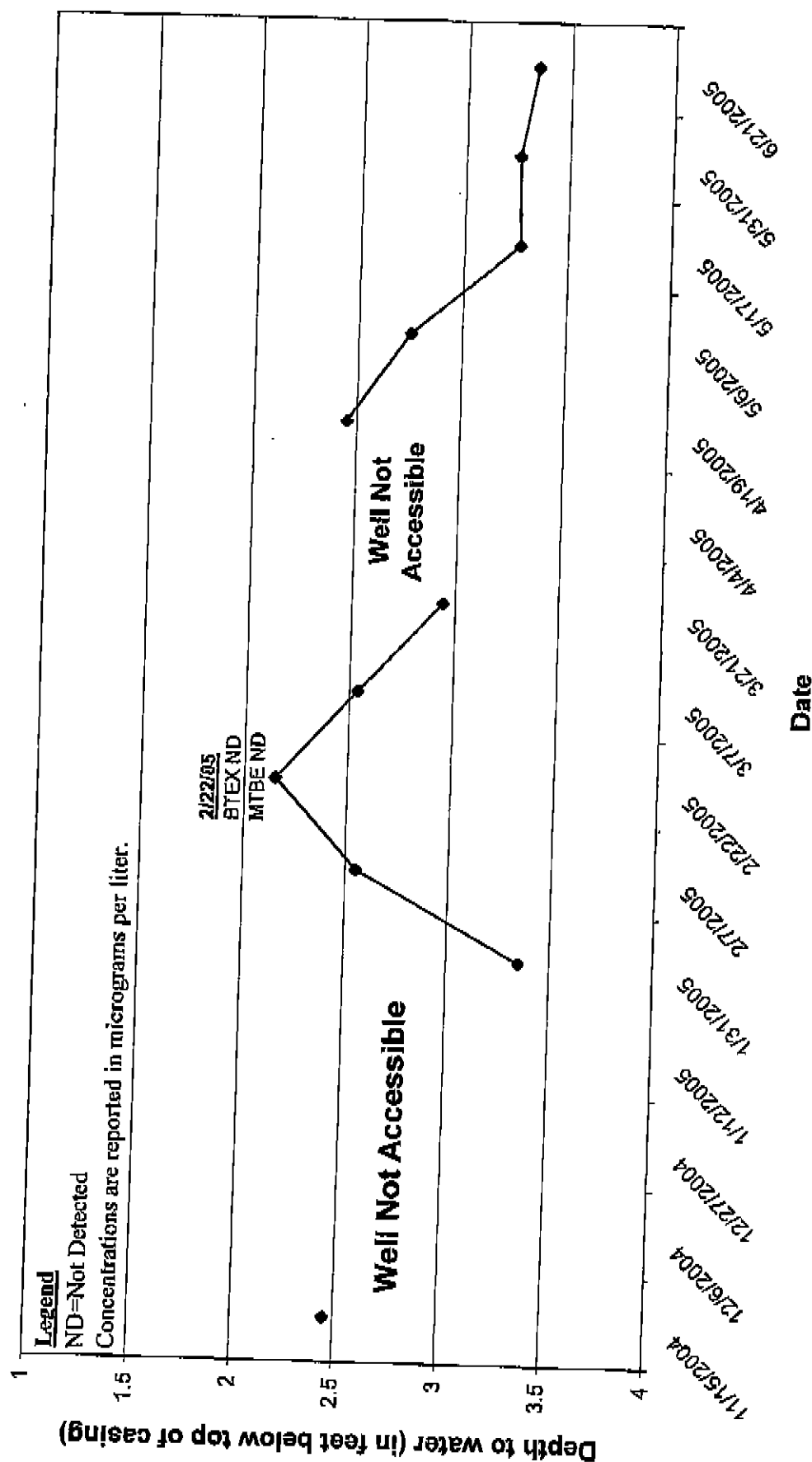
Hydrograph - Well MW-12 **200 Morgan Avenue, Brooklyn, NY** **NYSDEC Spill No. 92-09135**



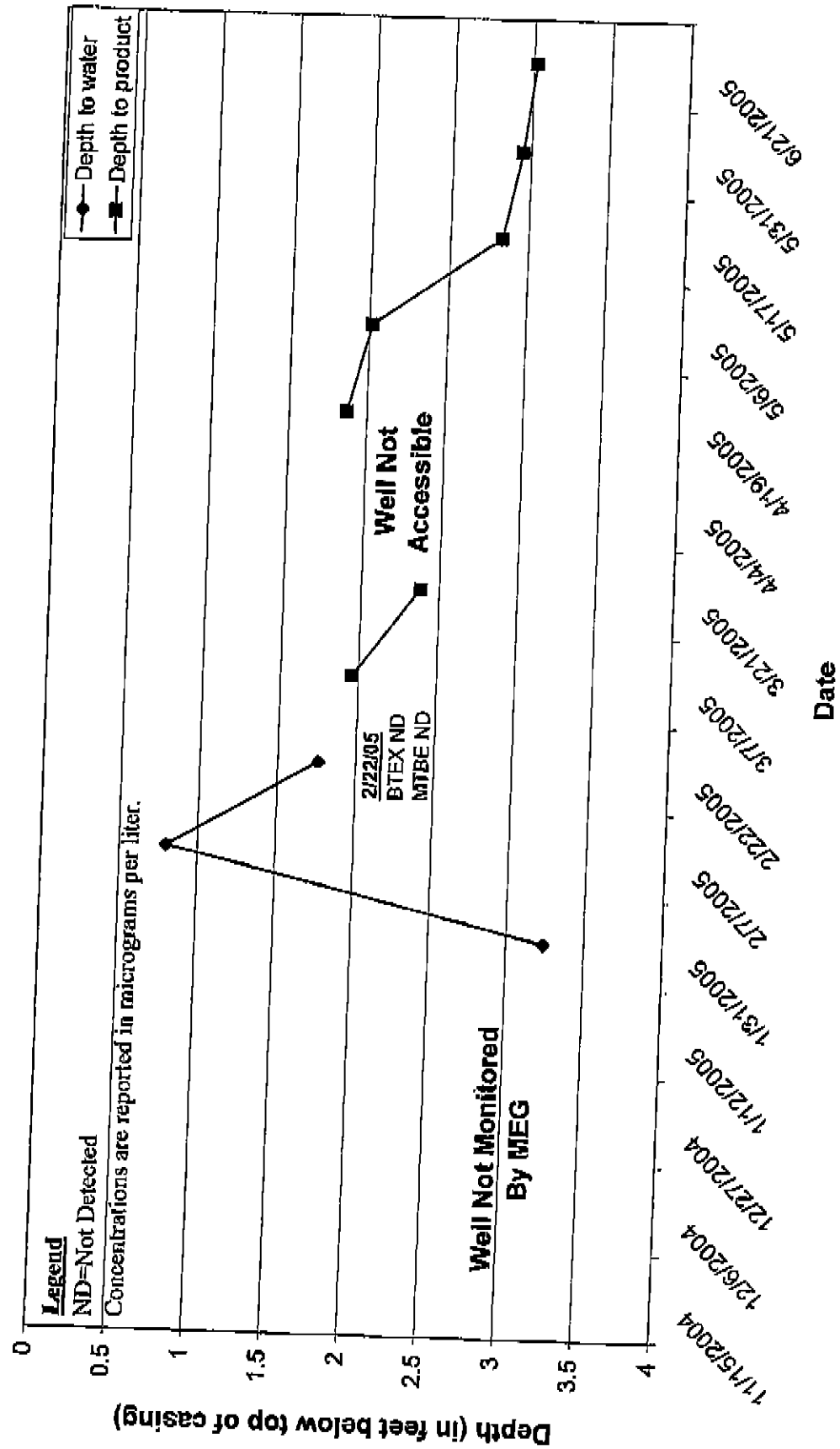
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NYSDEC Spill No. 92-09135



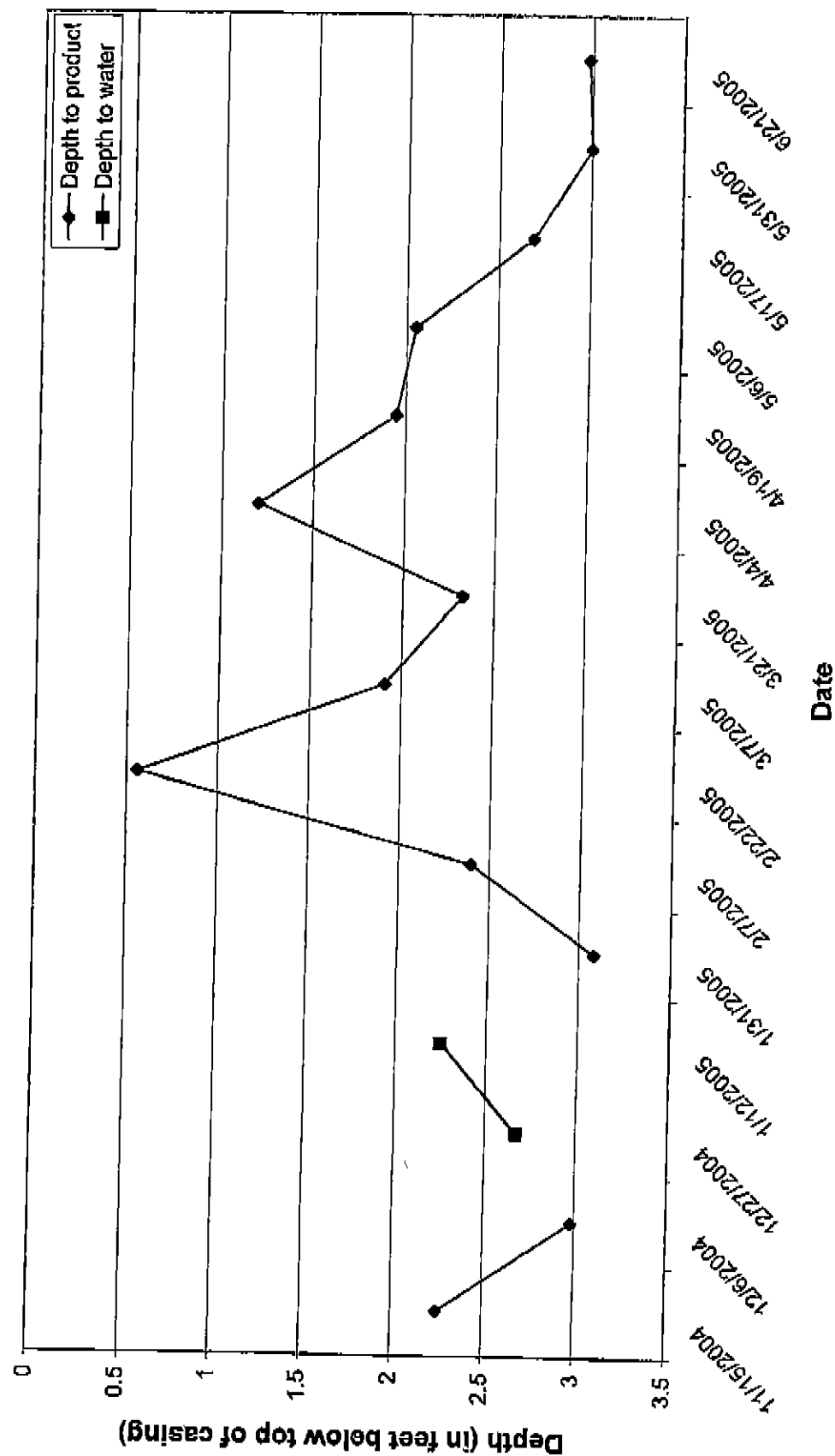
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NYSDEC Spill No. 92-09135



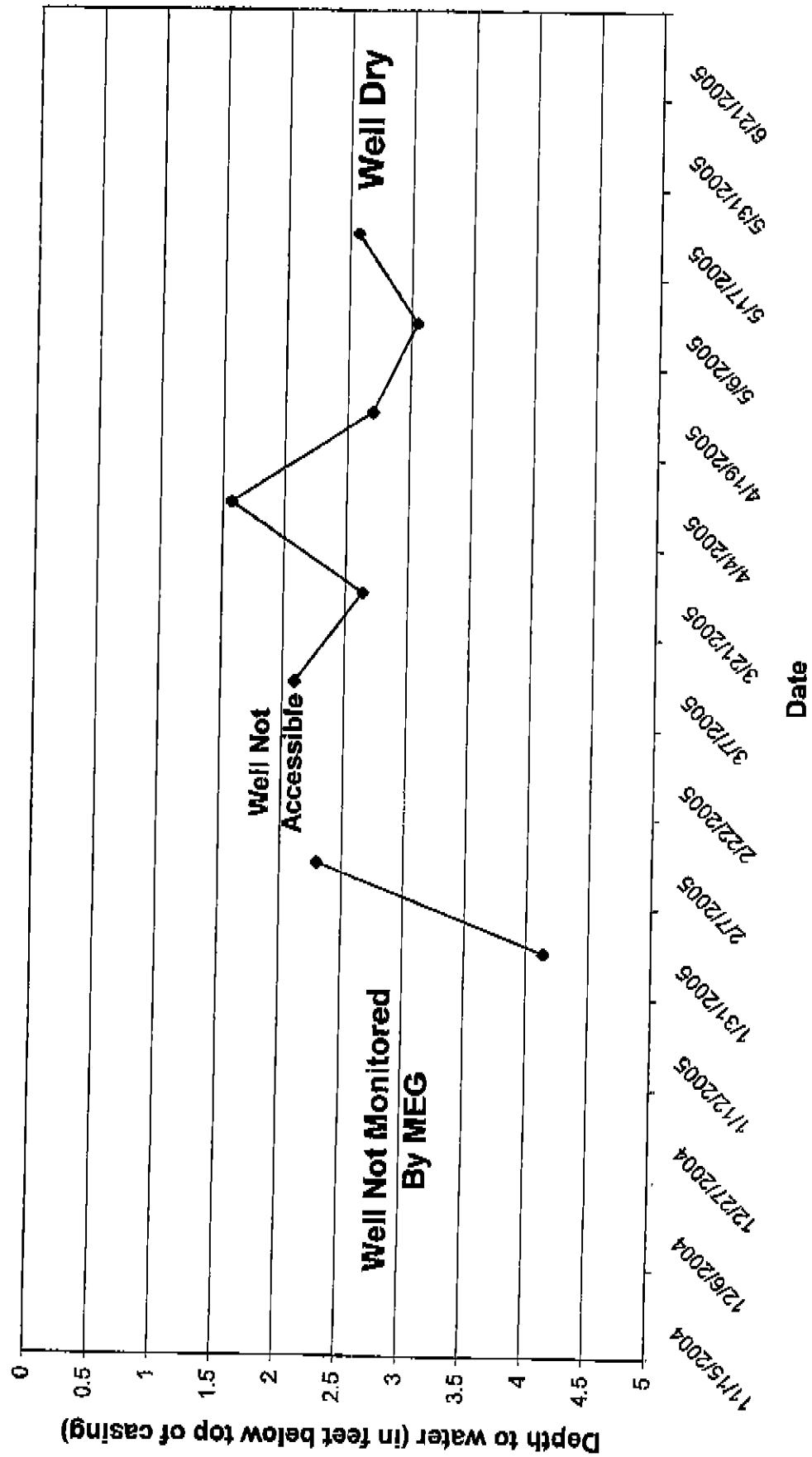
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200 Morgan Avenue, Brooklyn, NY
NYSDEC Spill No. 92-09135



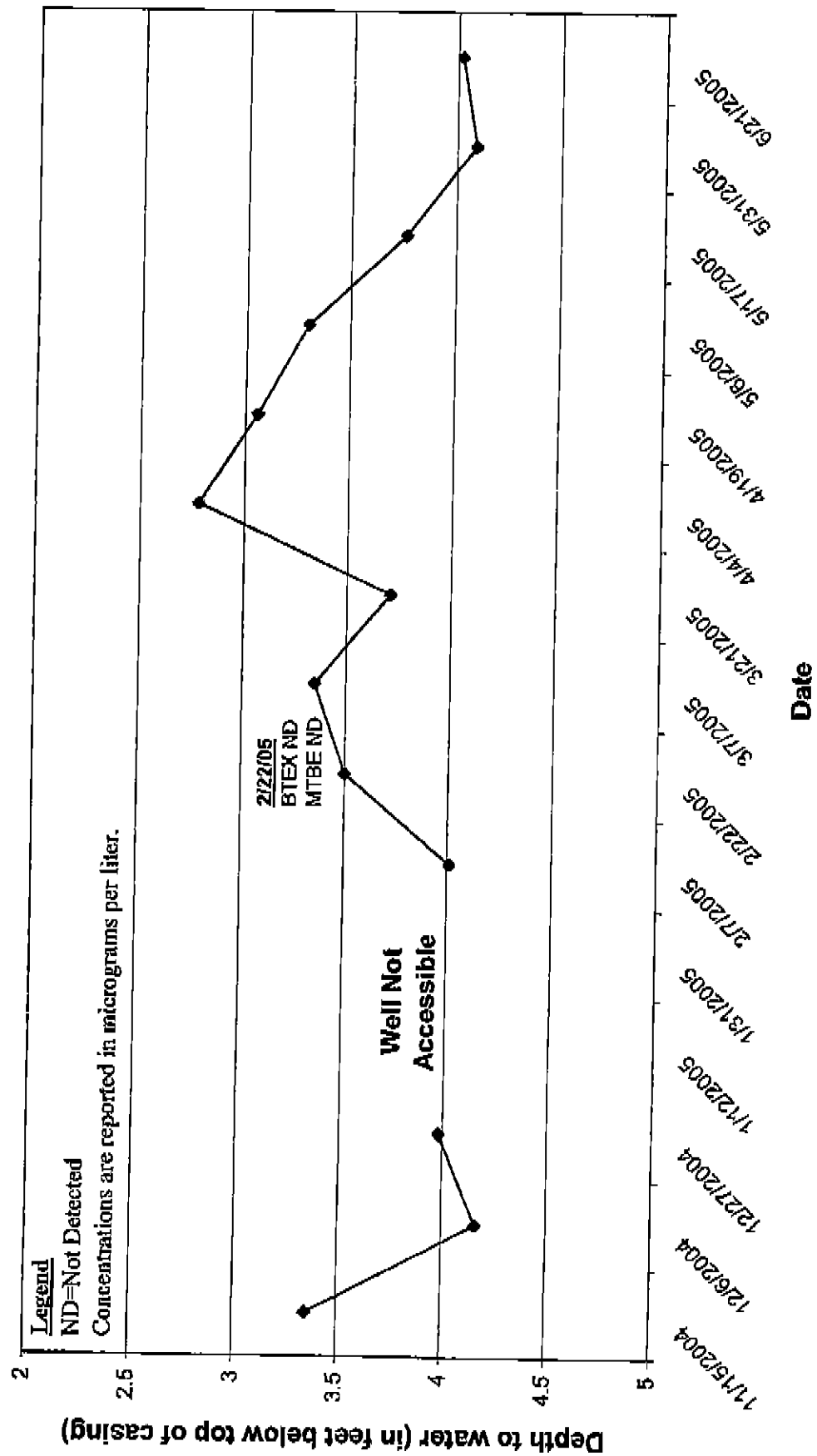
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200 Morgan Avenue, Brooklyn, NY
NYSDEC Spill No. 92-09135**



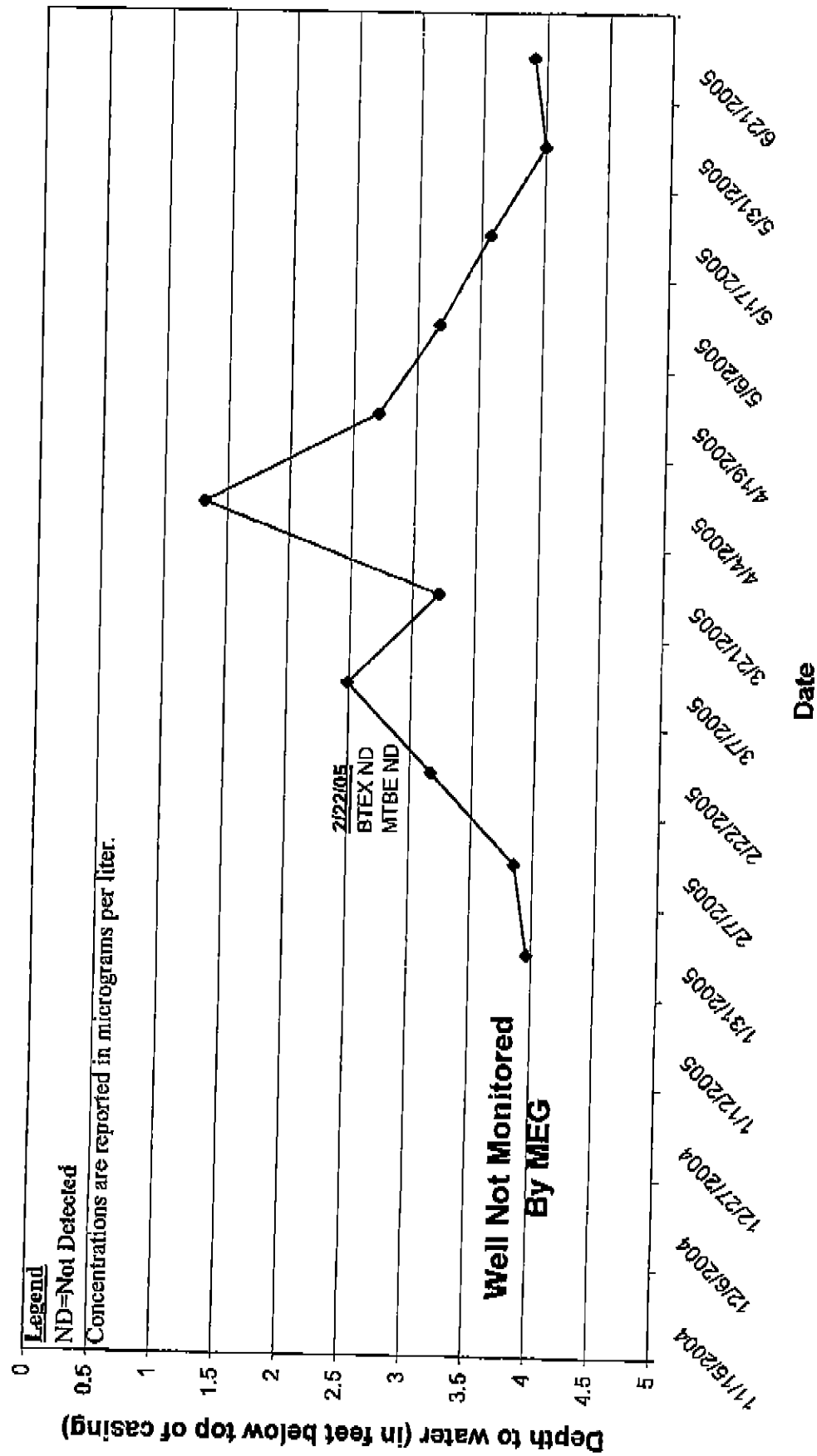
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200 Morgan Avenue, Brooklyn, NY
NYSDEC Spill No. 92-09135**



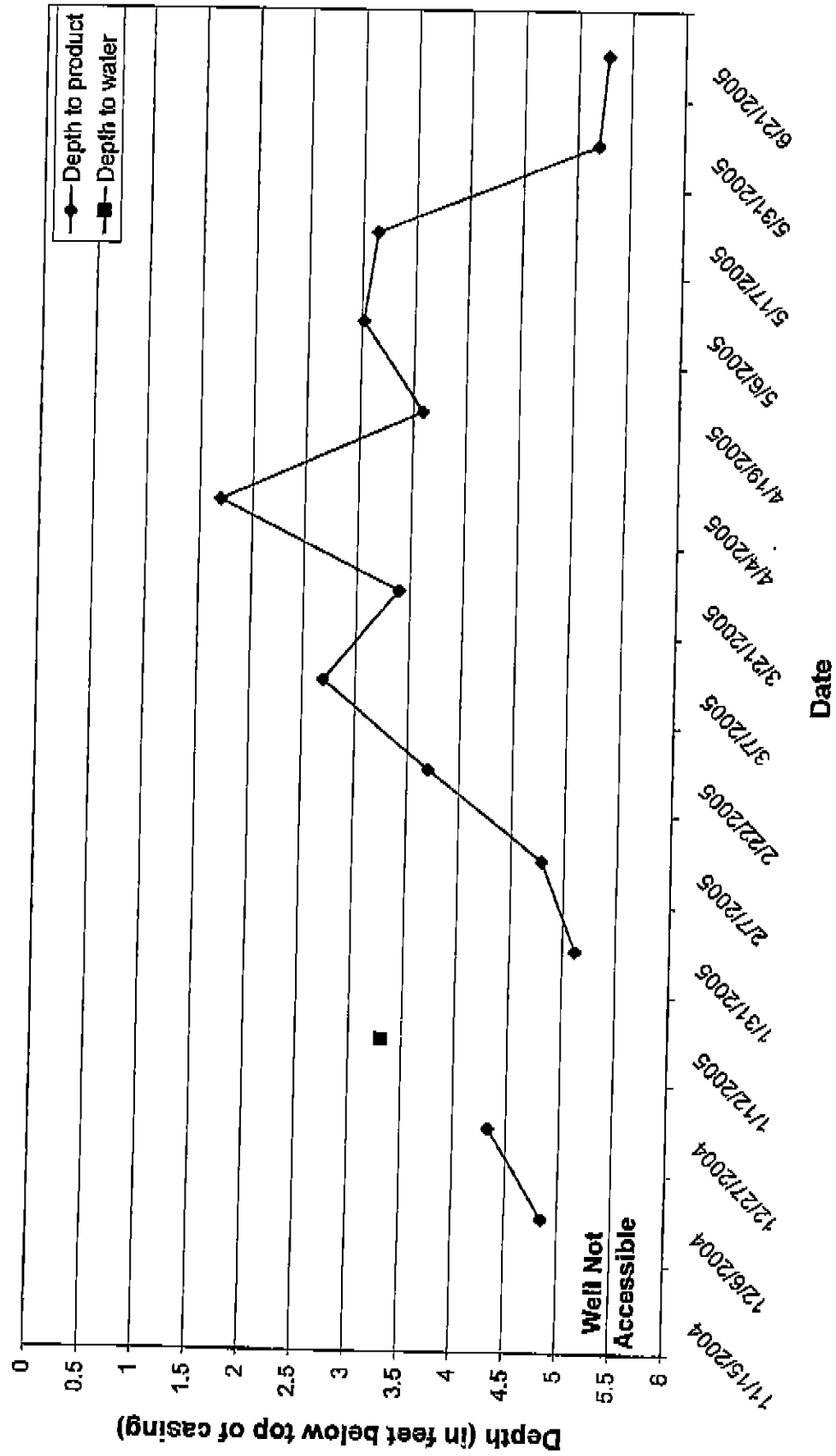
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NYSDEC Spill No. 92-09135



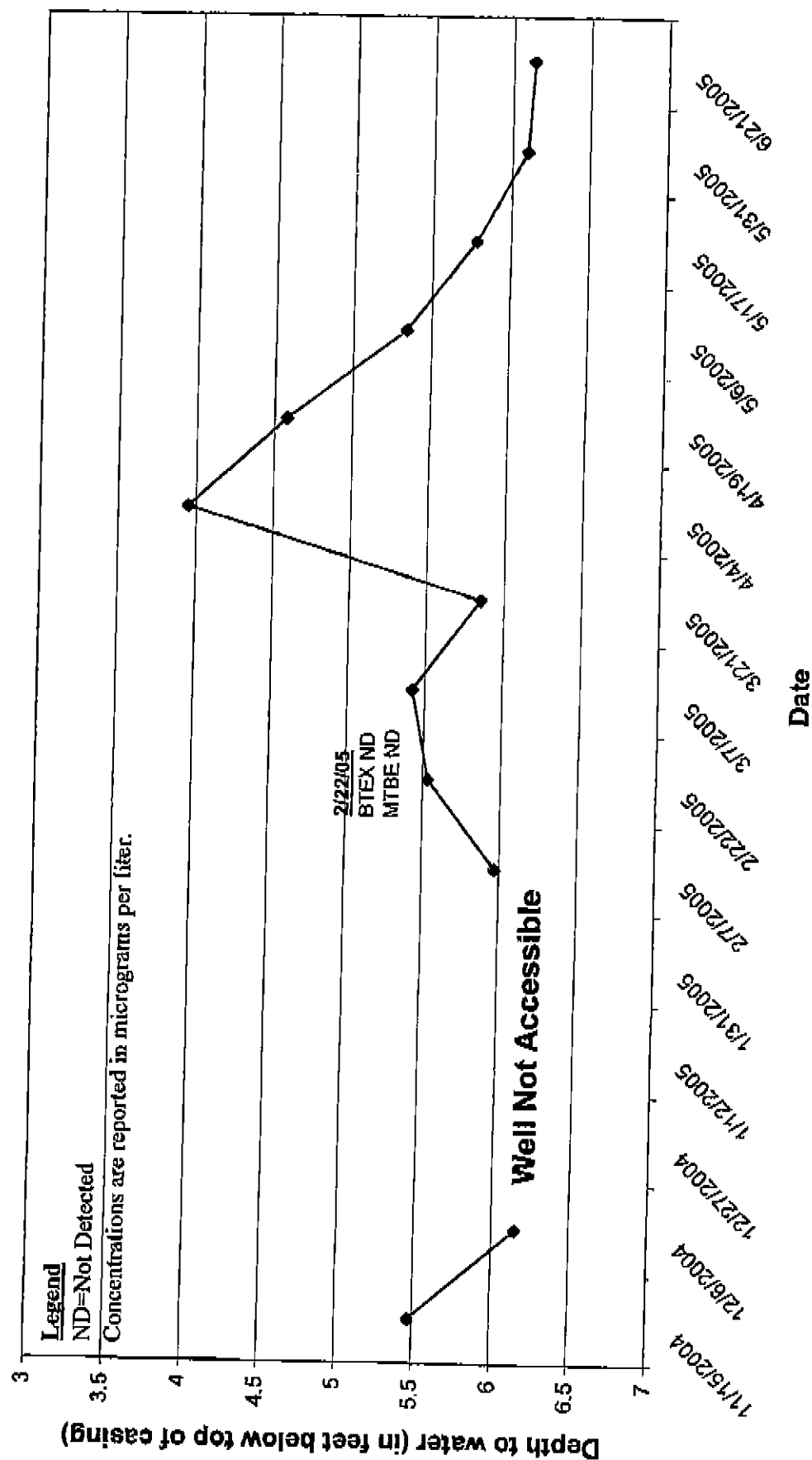
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200 Morgan Avenue, Brooklyn, NY
NYSDEC Spill No. 92-09135



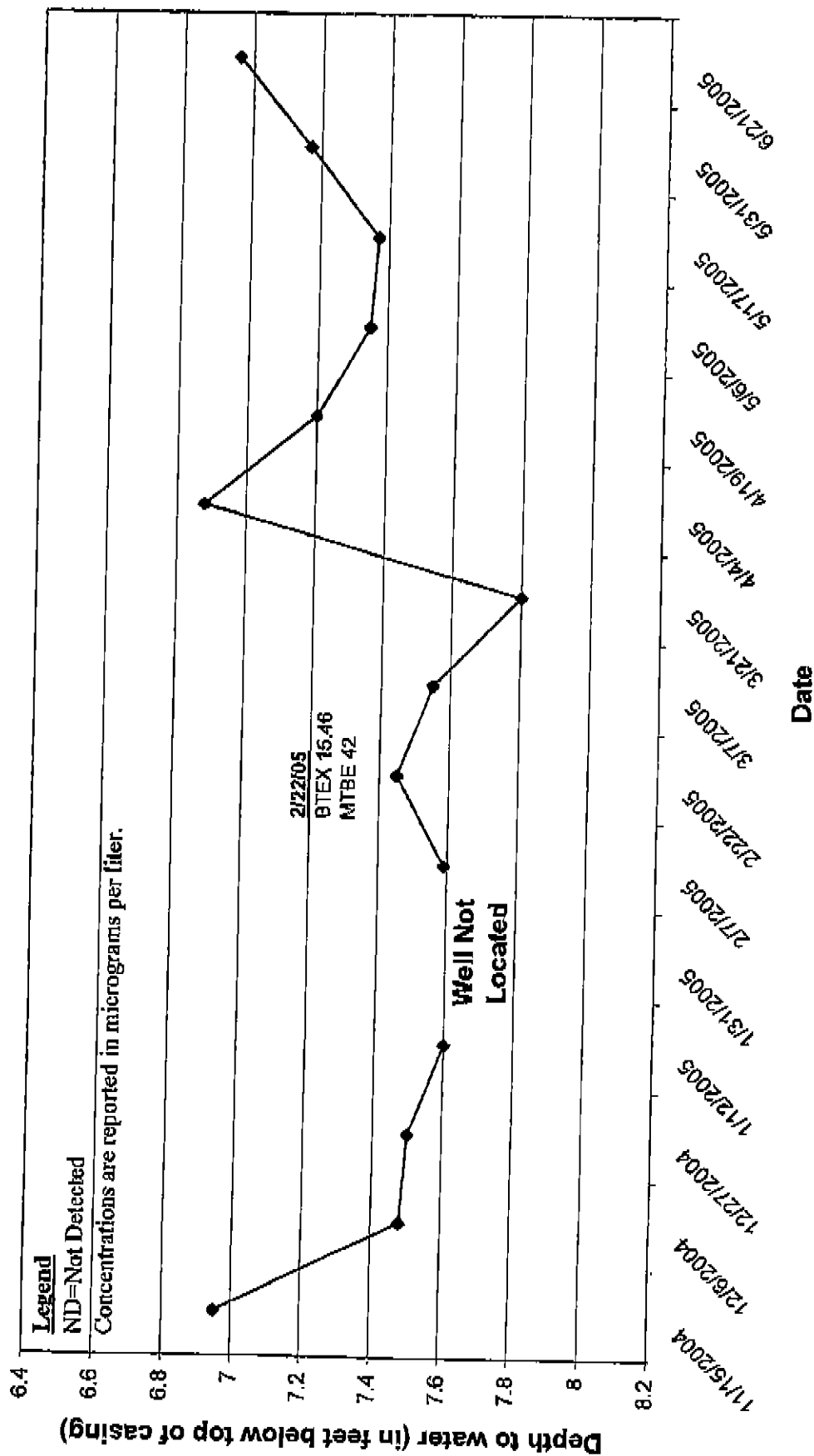
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200 Morgan Avenue, Brooklyn, NY
NYSDEC Spill No. 92-09135**



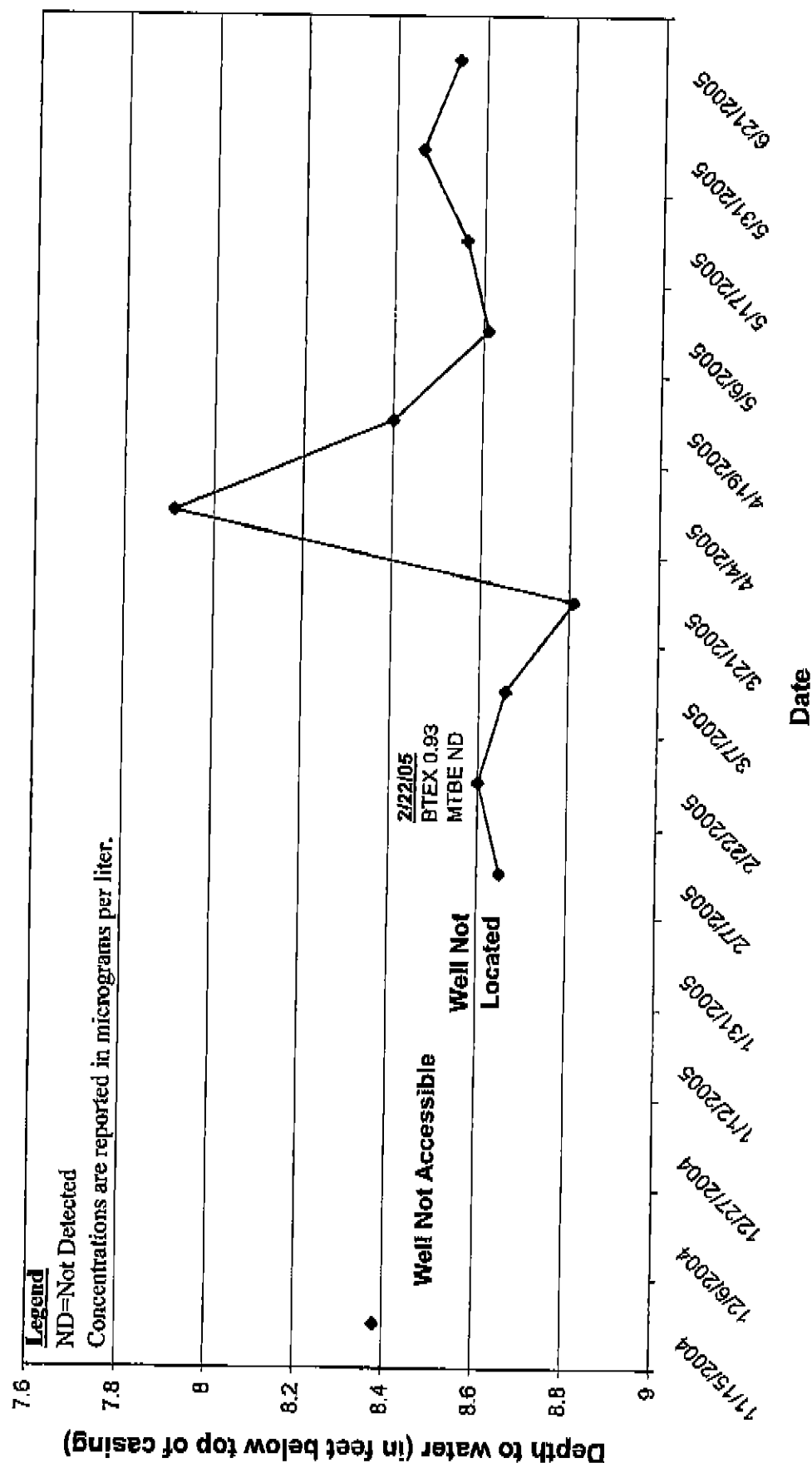
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200 Morgan Avenue, Brooklyn, NY
NYSDEC Spill No. 92-09135



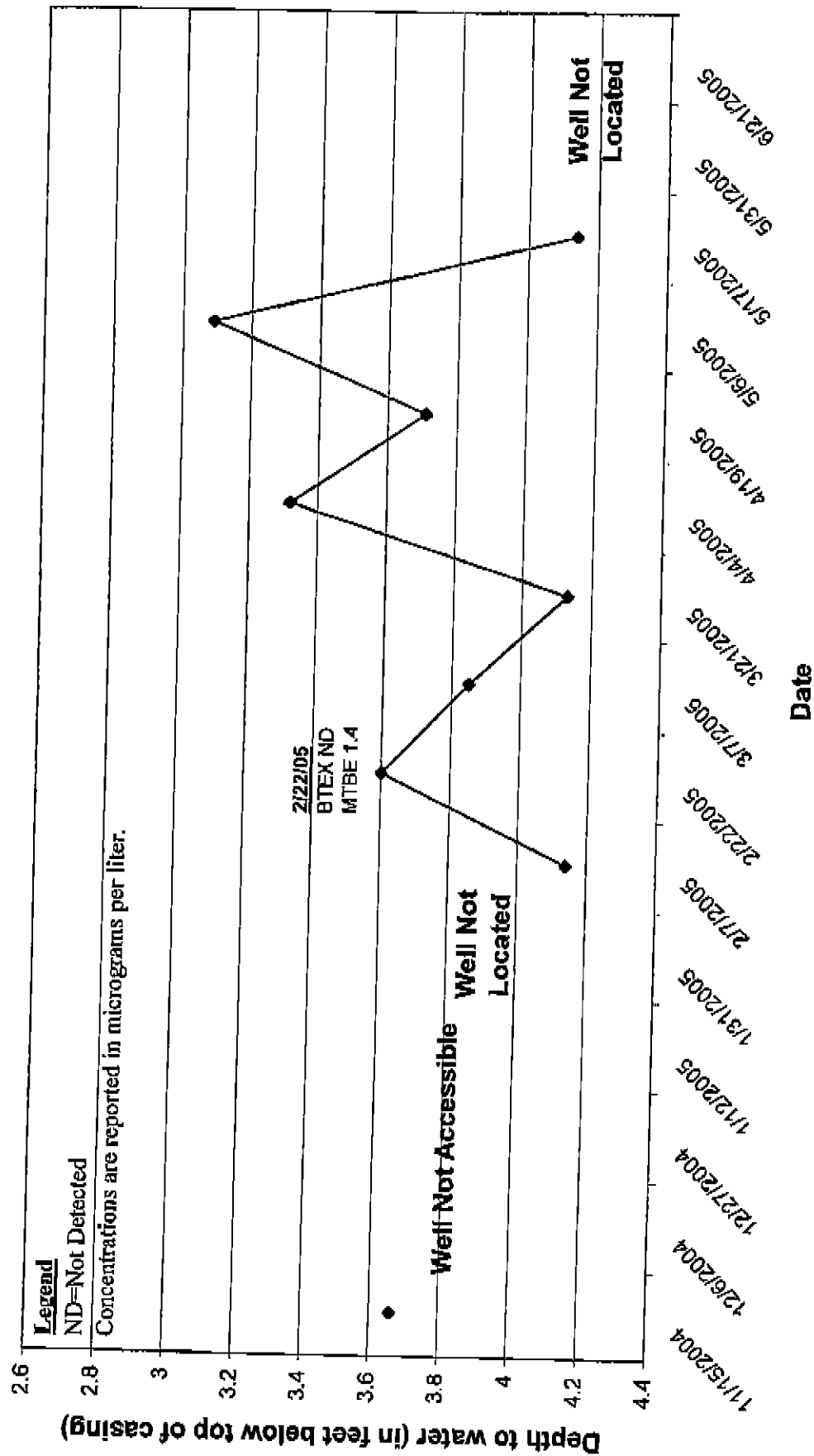
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200 Morgan Avenue, Brooklyn, NY
NYSDEC Spill No. 92-09135



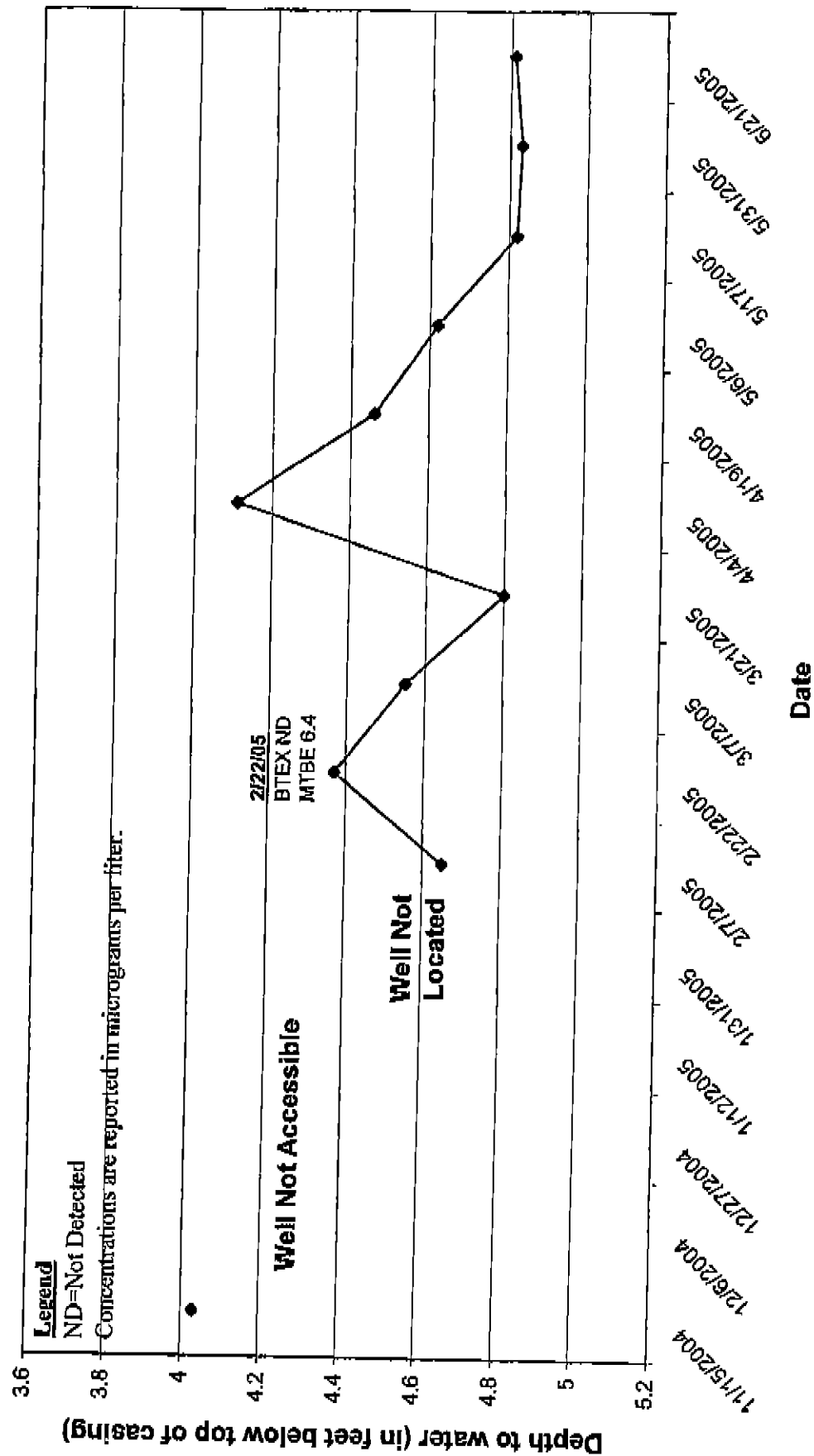
Hydrograph - Well MW-20
200 Morgan Avenue, Brooklyn, NY
NYSDEC Spill No. 92-09135



Hydrograph - Well MW-21
200 Morgan Avenue, Brooklyn, NY
NYSDEC Spill No. 92-09135



Hydrograph - Well MW-22
200 Morgan Avenue, Brooklyn, NY
NYSDEC Spill No. 92-09135



New York State Department of Environmental Conservation
Division of Environmental Remediation, Region 2
Spill Prevention and Response Programs
47-40 21ST Street, Long Island City, NY 11101-5407
Phone: (718) 482-6364 • FAX: (718) 482-4098
Website: www.dec.state.ny.us

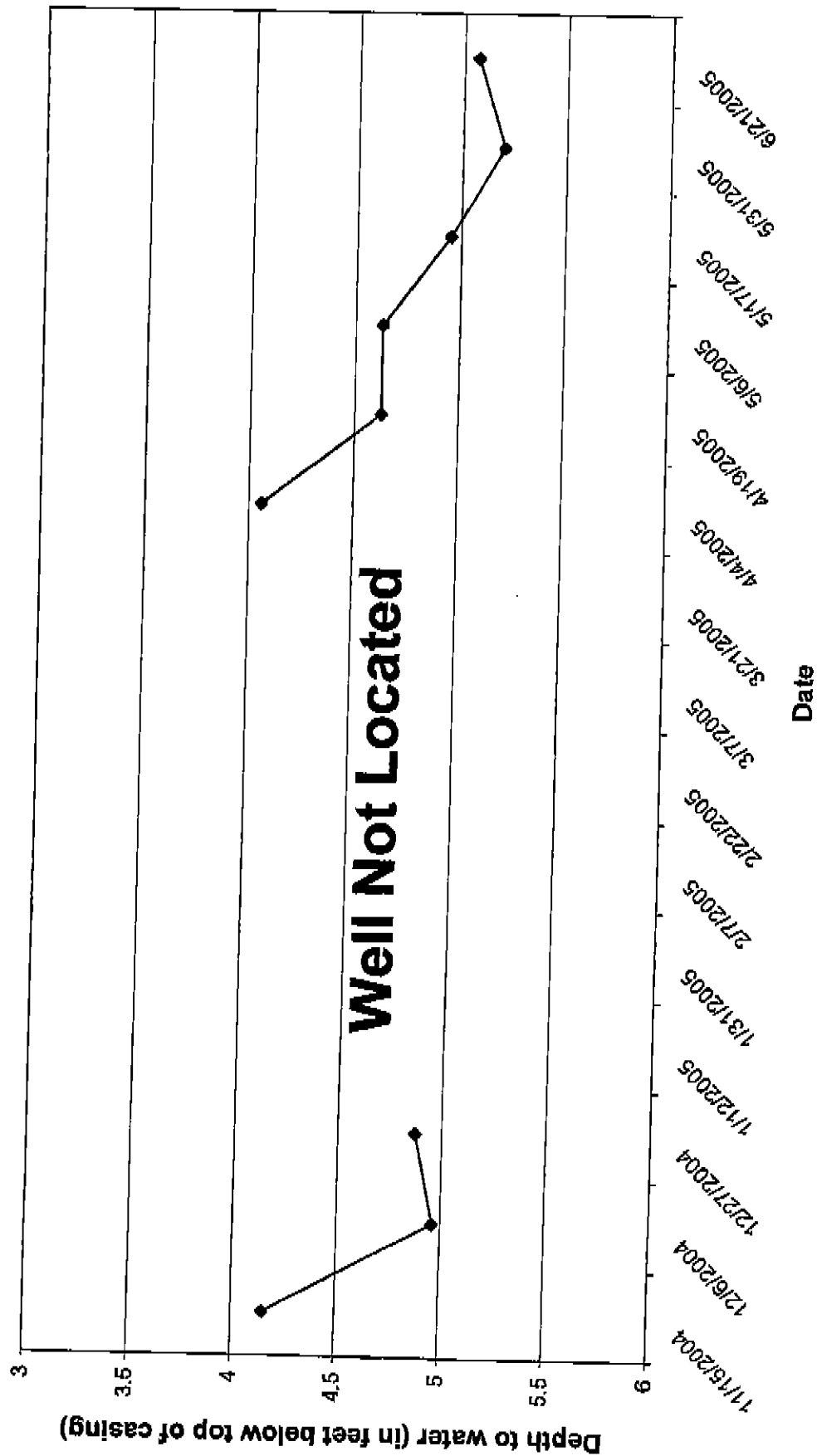


Denise M. Sheehan
Commissioner

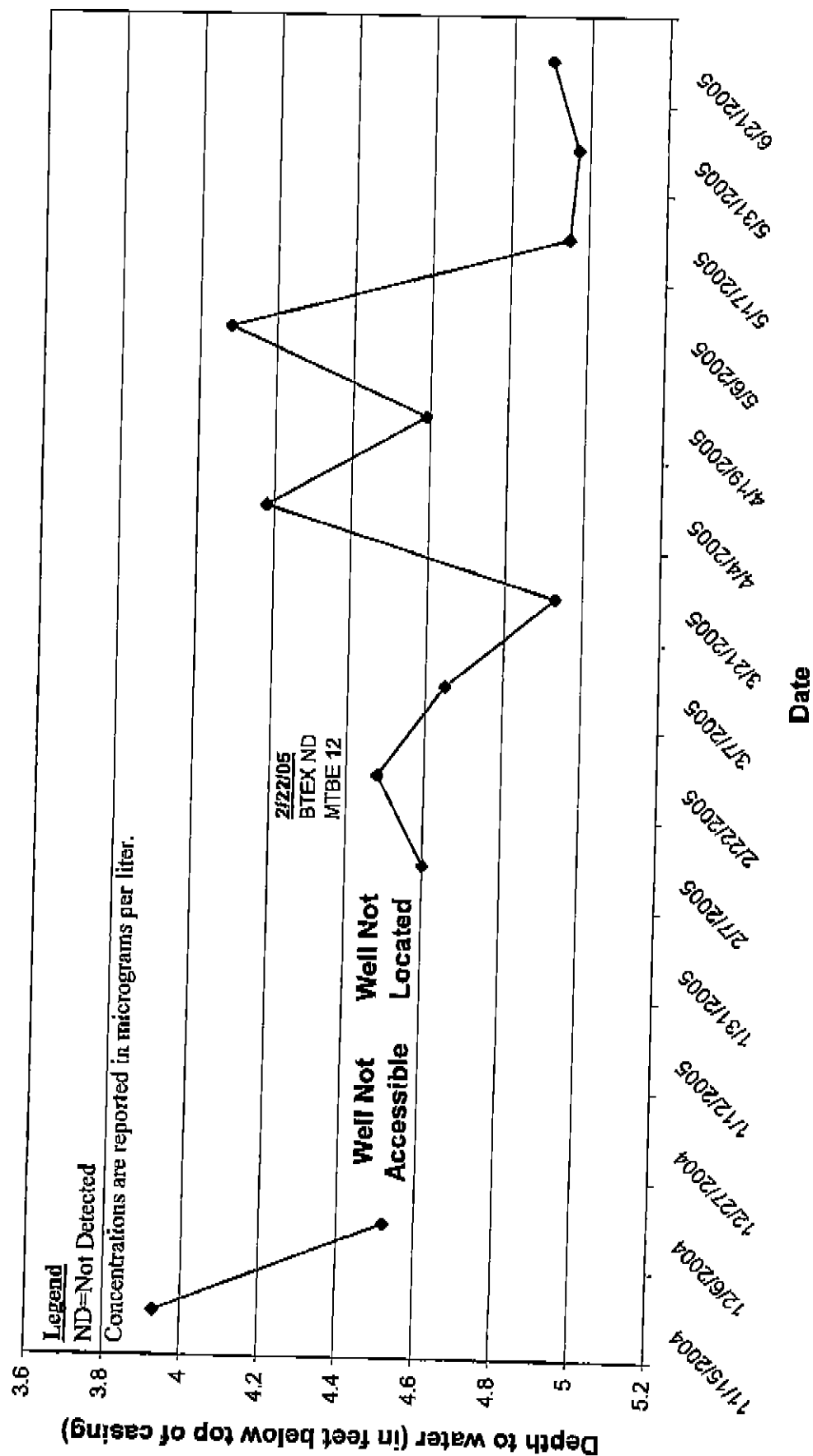
FAX

To: Josh Kaplan
Fax #: 860-243-9414
Pages: ~~0-10~~ ~~10-20~~, ~~20-30~~, ~~30-40~~, ~~40-50~~, 50-60
From: Jeffrey Vought
Subject: 200 Morgan Ave
Date: 11/15/06

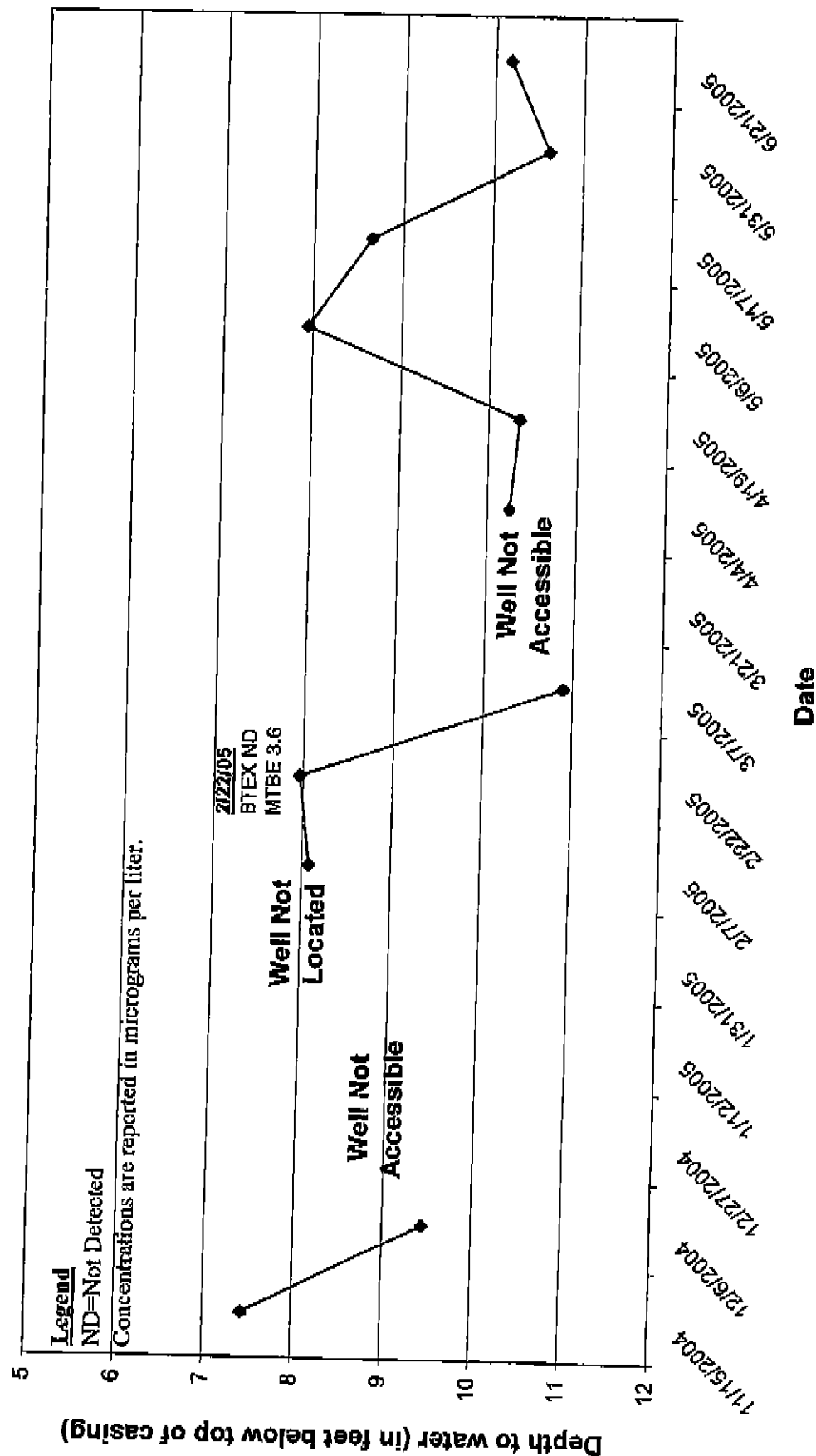
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200 Morgan Avenue, Brooklyn, NY
NYSDEC Spill No. 92-09135**



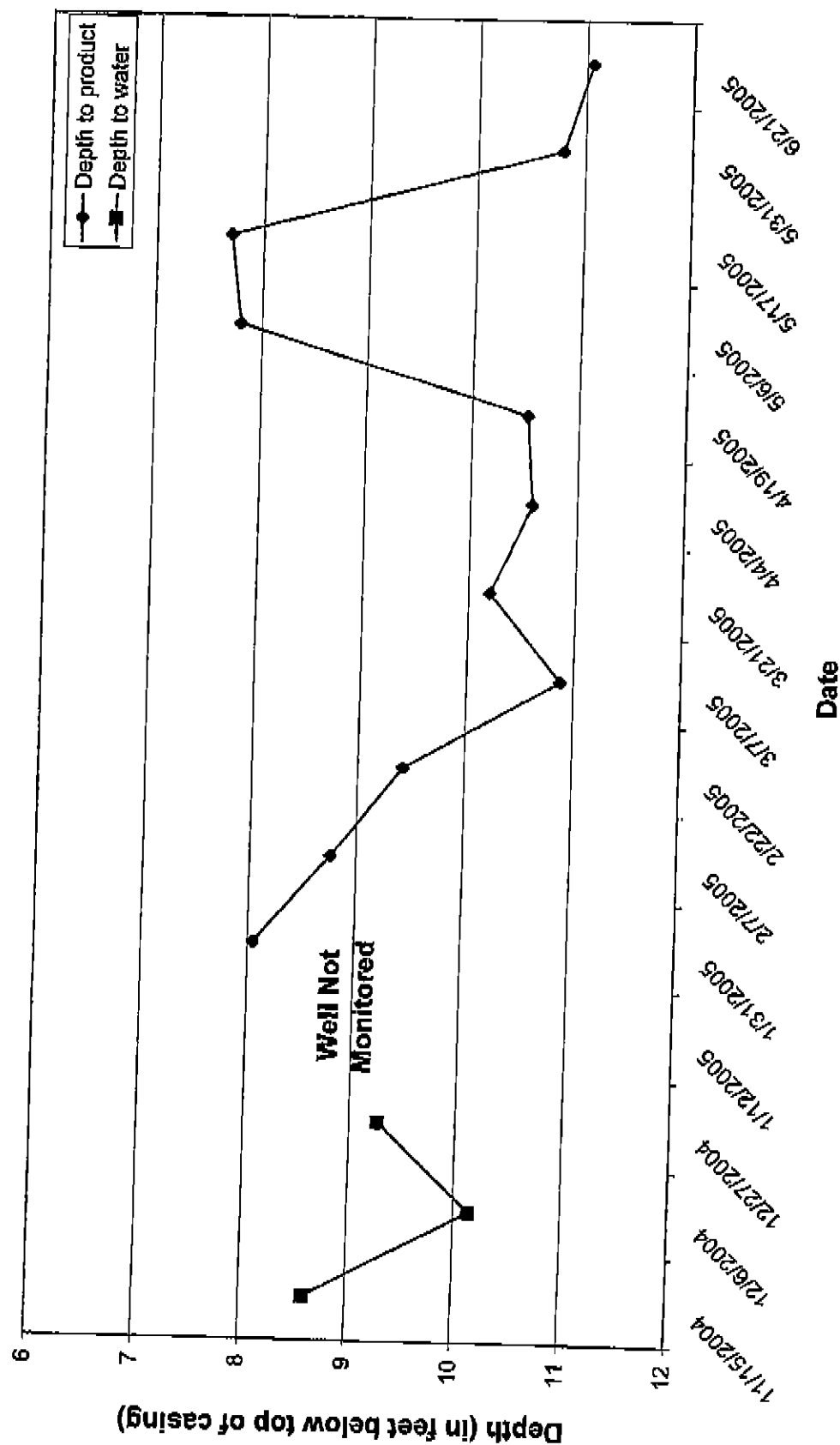
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200 Morgan Avenue, Brooklyn, NY
NYSDEC Spill No. 92-09135



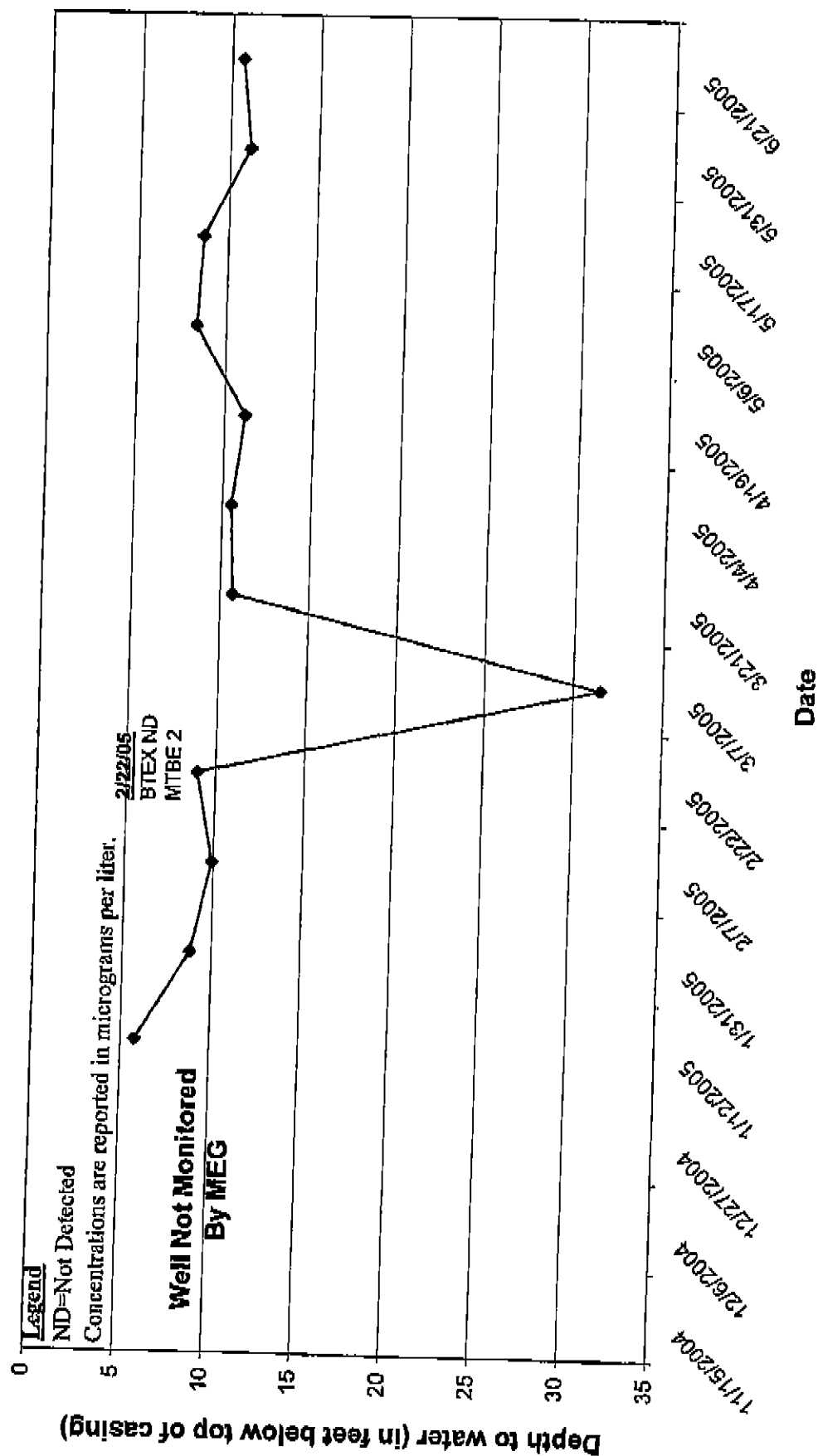
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200 Morgan Avenue, Brooklyn, NY
NYSDEC Spill No. 92-09135



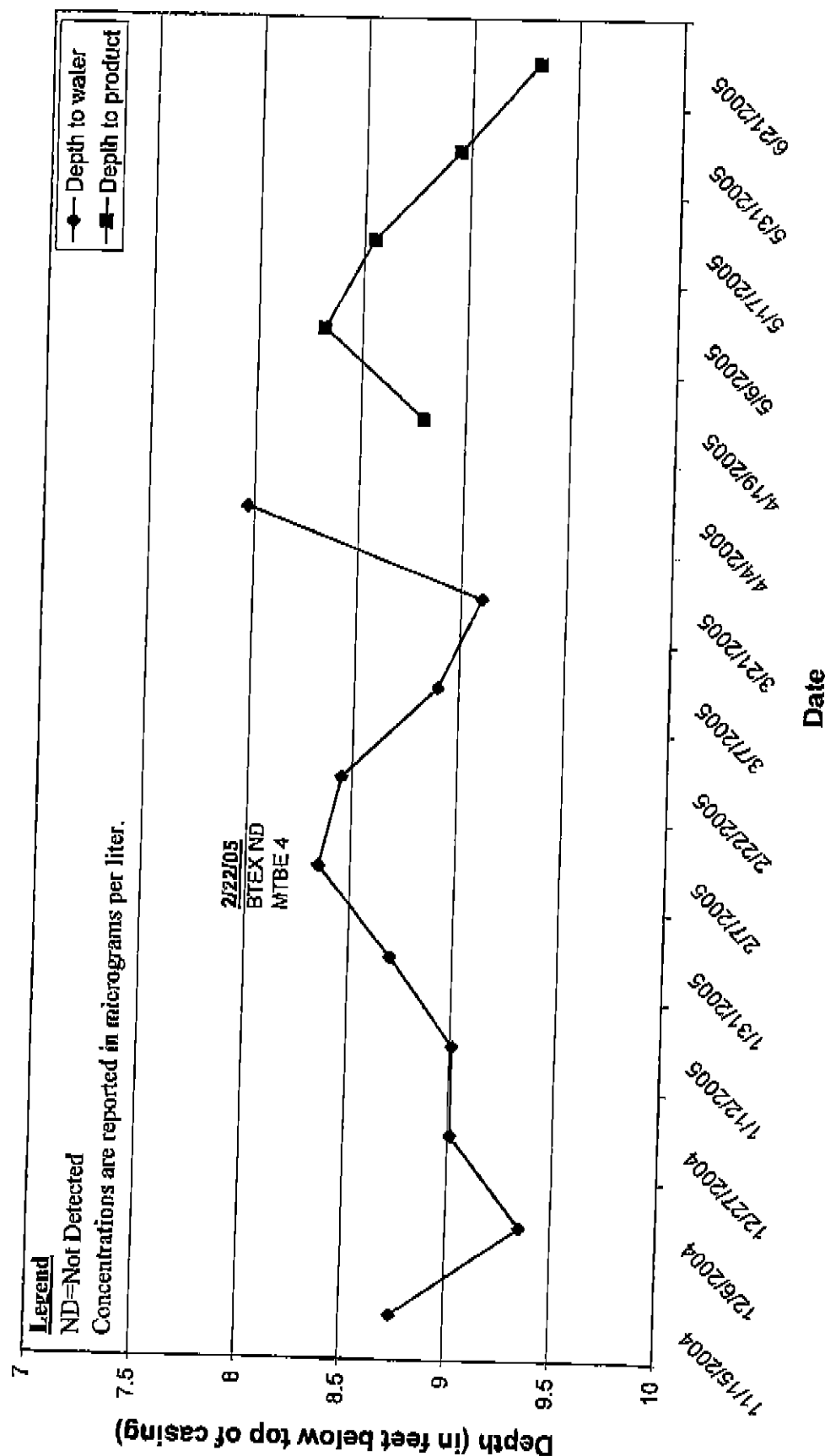
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200 Morgan Avenue, Brooklyn, NY
NYSDEC Spill No. 92-09135**



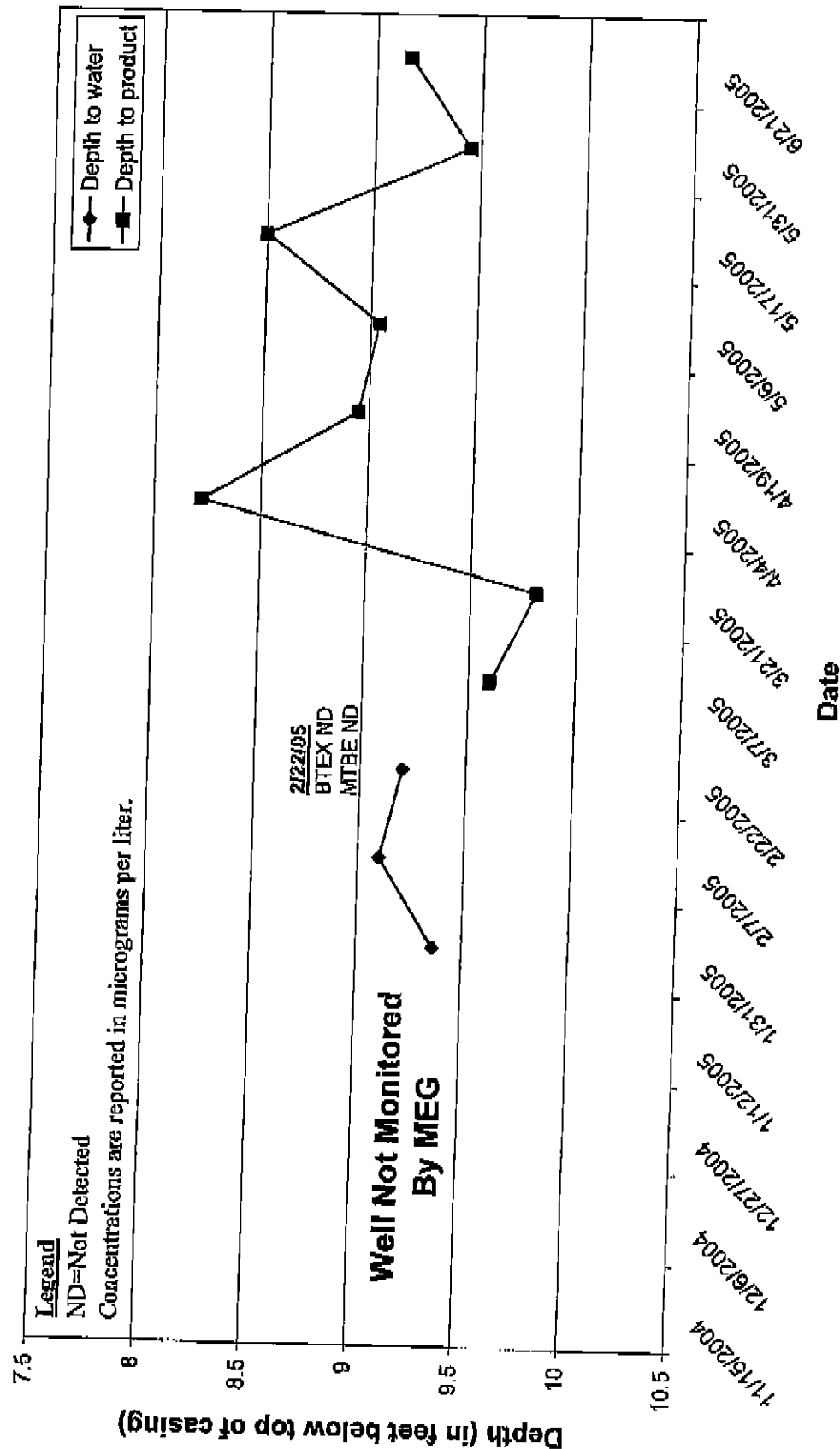
Hydrograph - Well MW-30A
200 Morgan Avenue, Brooklyn, NY
NYSDEC Spill No. 92-09135



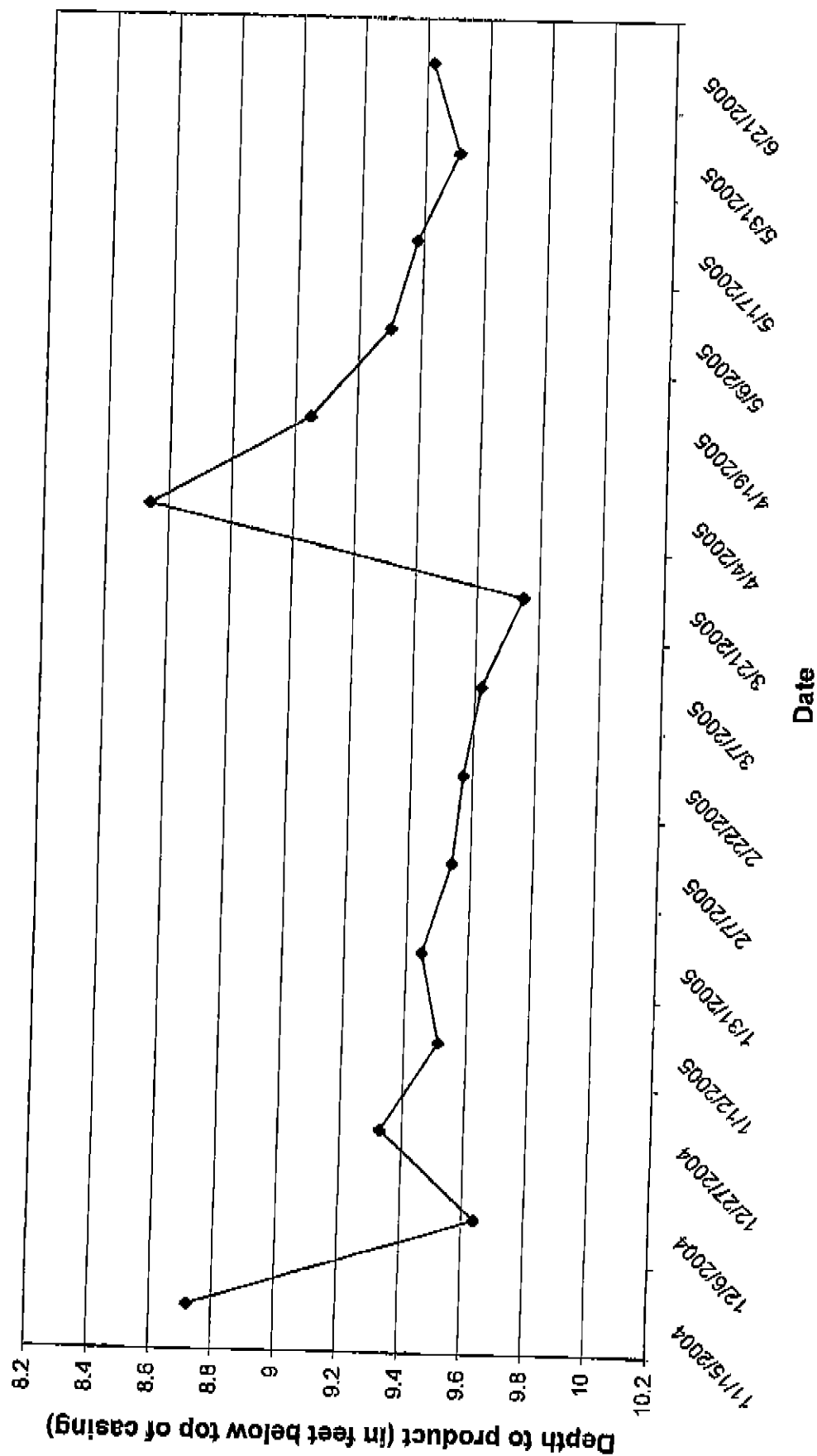
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200 Morgan Avenue, Brooklyn, NY
NYSDEC Spill No. 92-09135



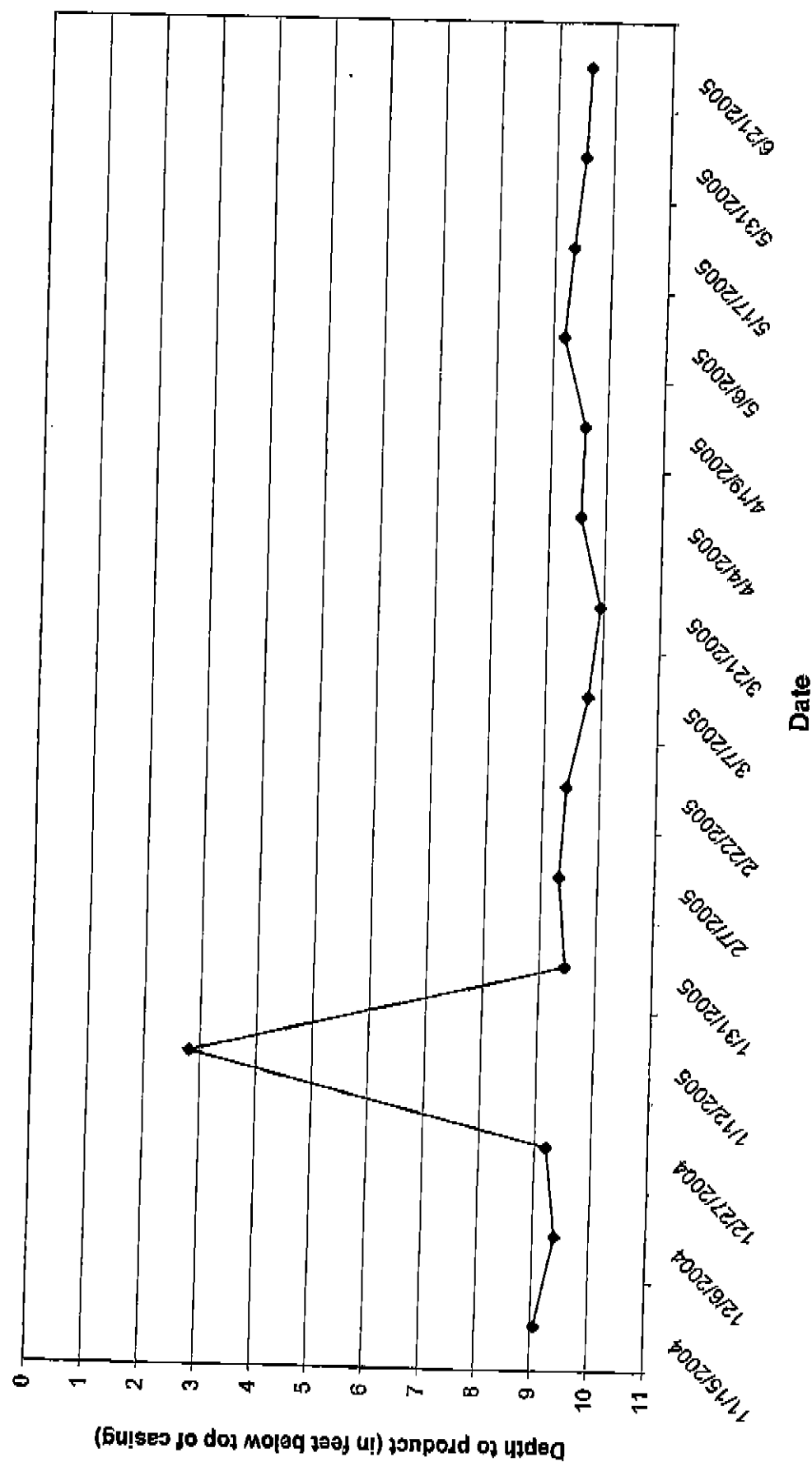
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NYSDEC Spill No. 92-09135



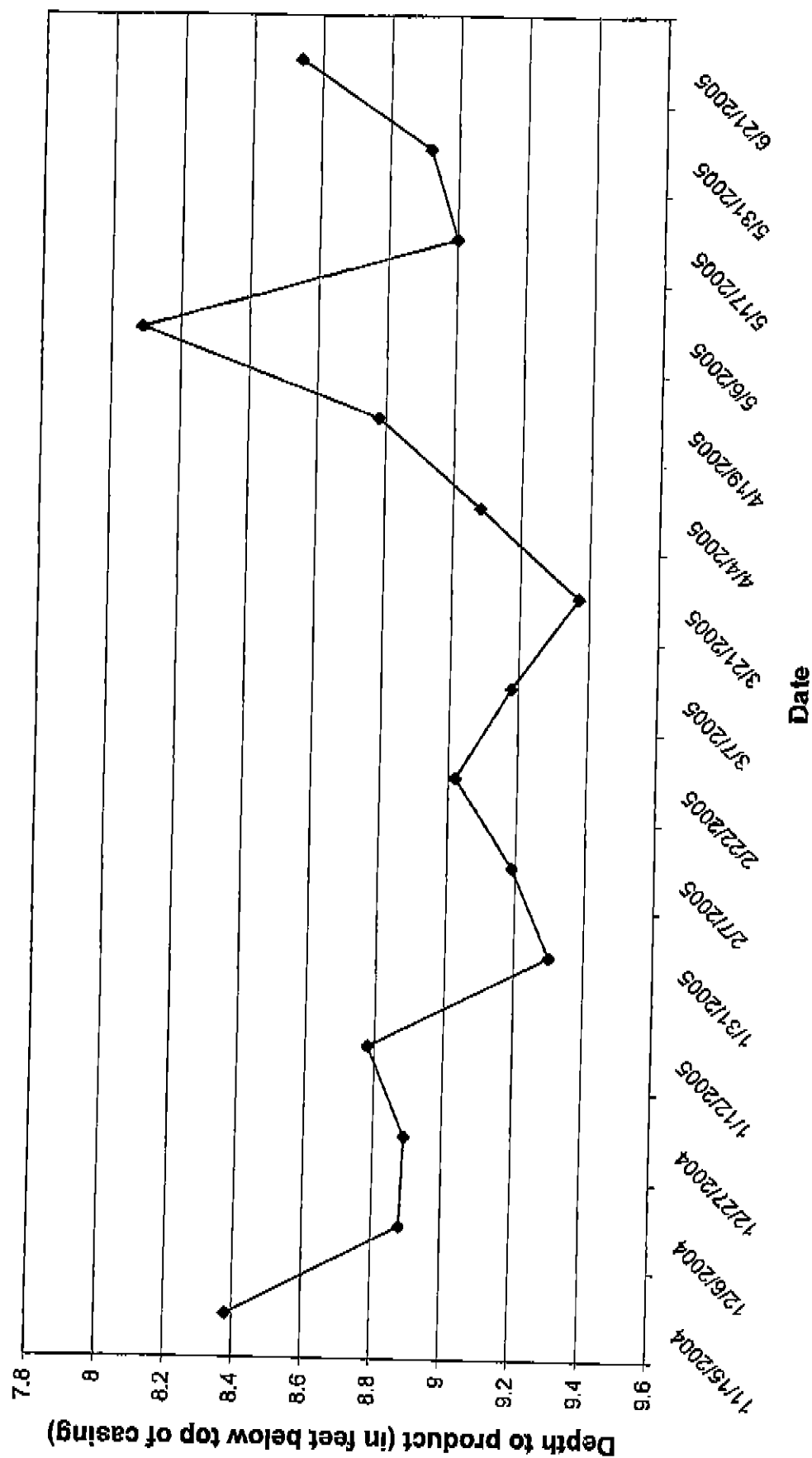
**Hydrograph - Well MW-32
200 Morgan Avenue, Brooklyn, NY
NYSDEC Spill No. 92-09135**



**Hydrograph - Well MW-33A
200 Morgan Avenue, Brooklyn, NY
NYSDEC Spill No. 92-09135**

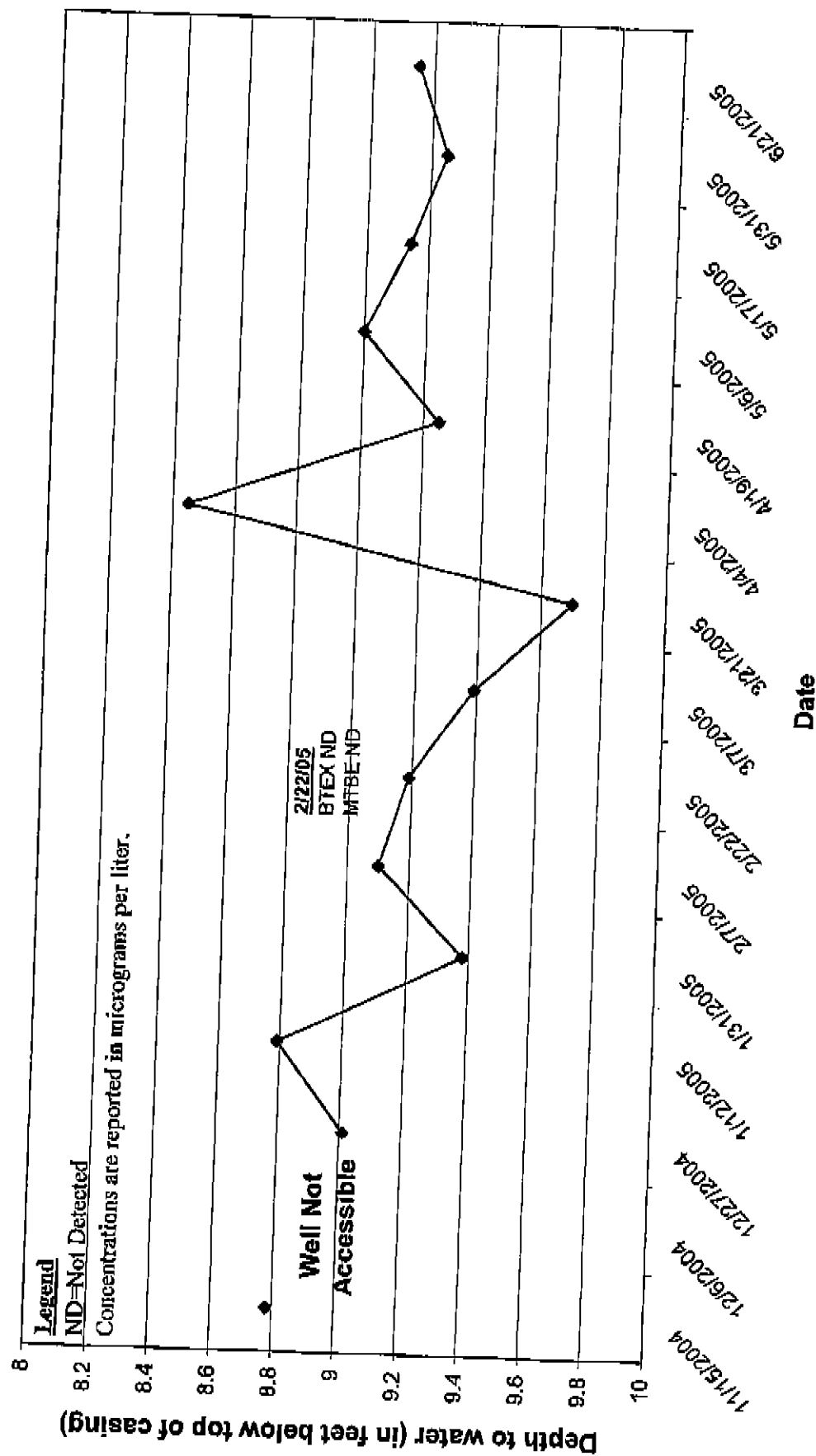


**Hydrograph - Well MW-34
200 Morgan Avenue, Brooklyn, NY
NYSDEC Spill No. 92-09135**

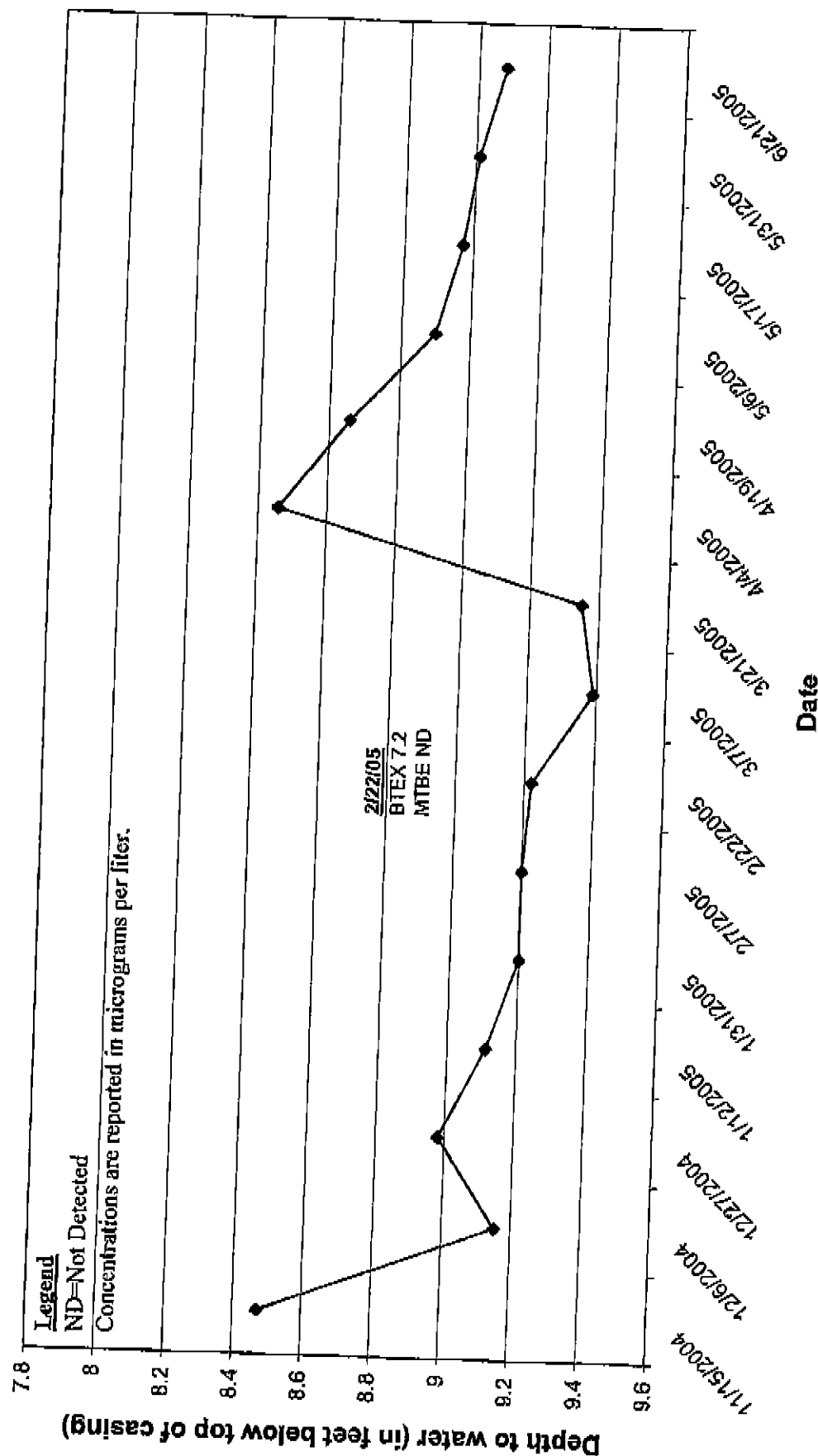


National Environmental Management Associates Corp.

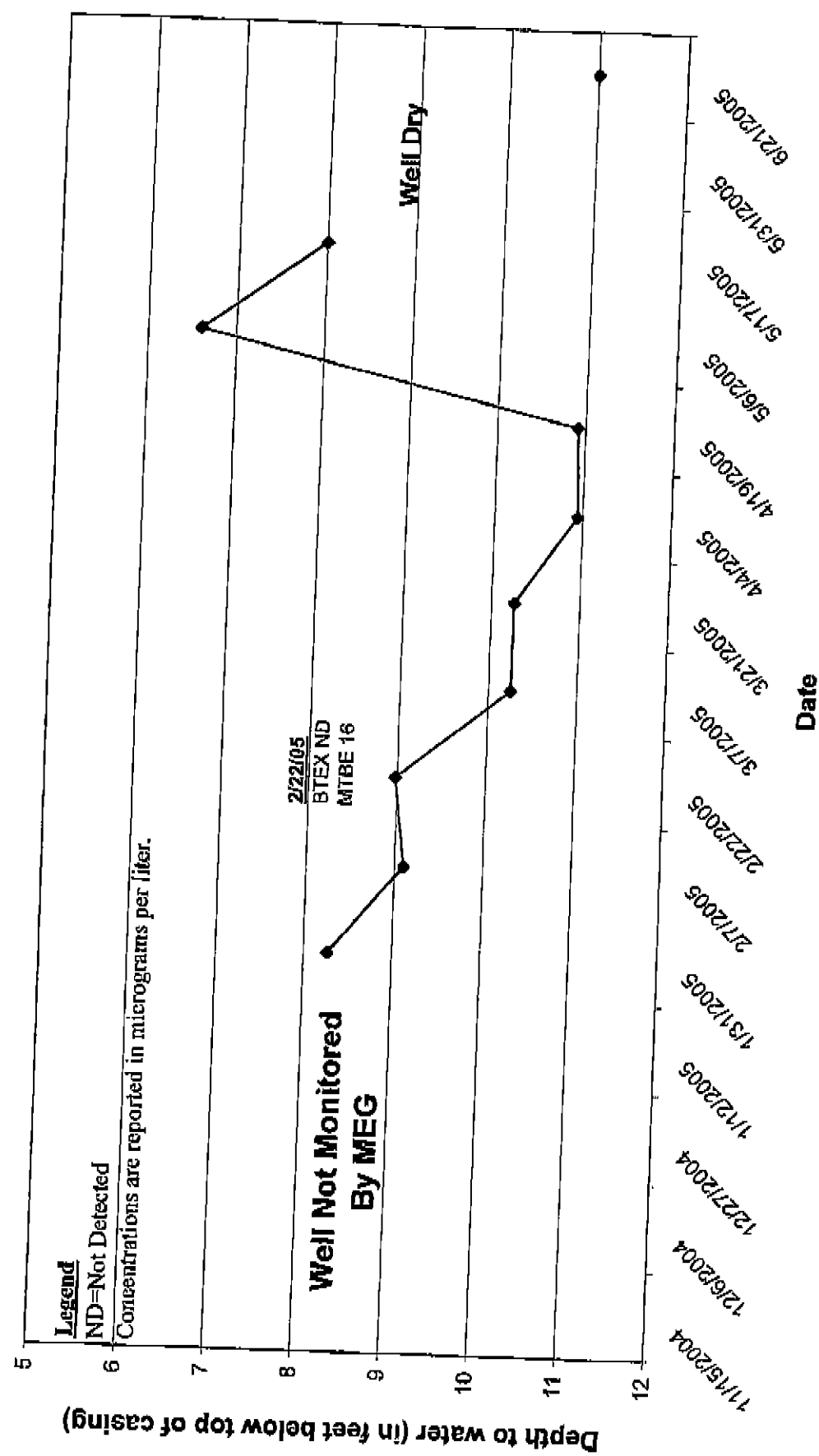
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NYSDEC Spill No. 92-09135



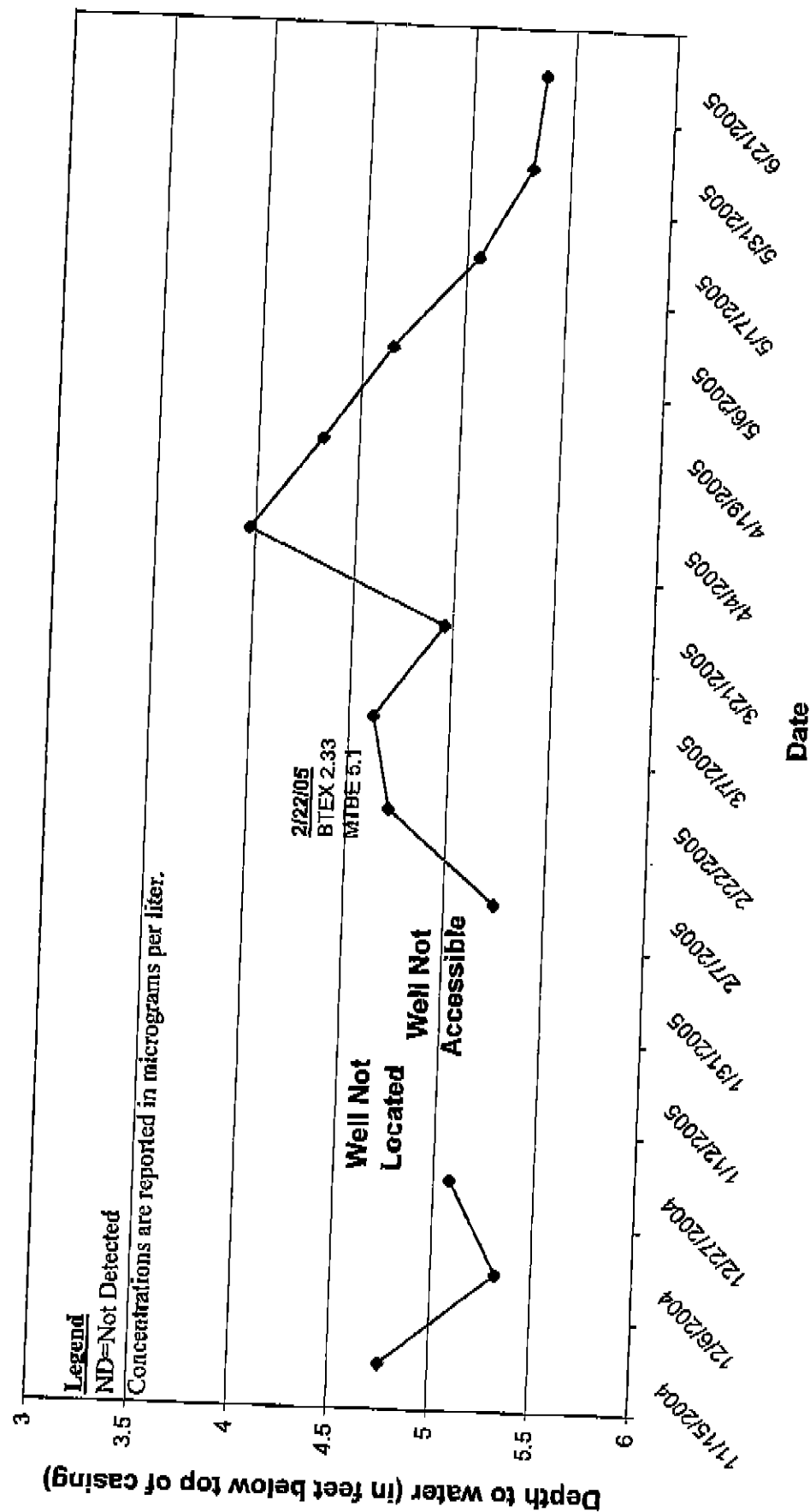
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NYSDEC Spill No. 92-09135



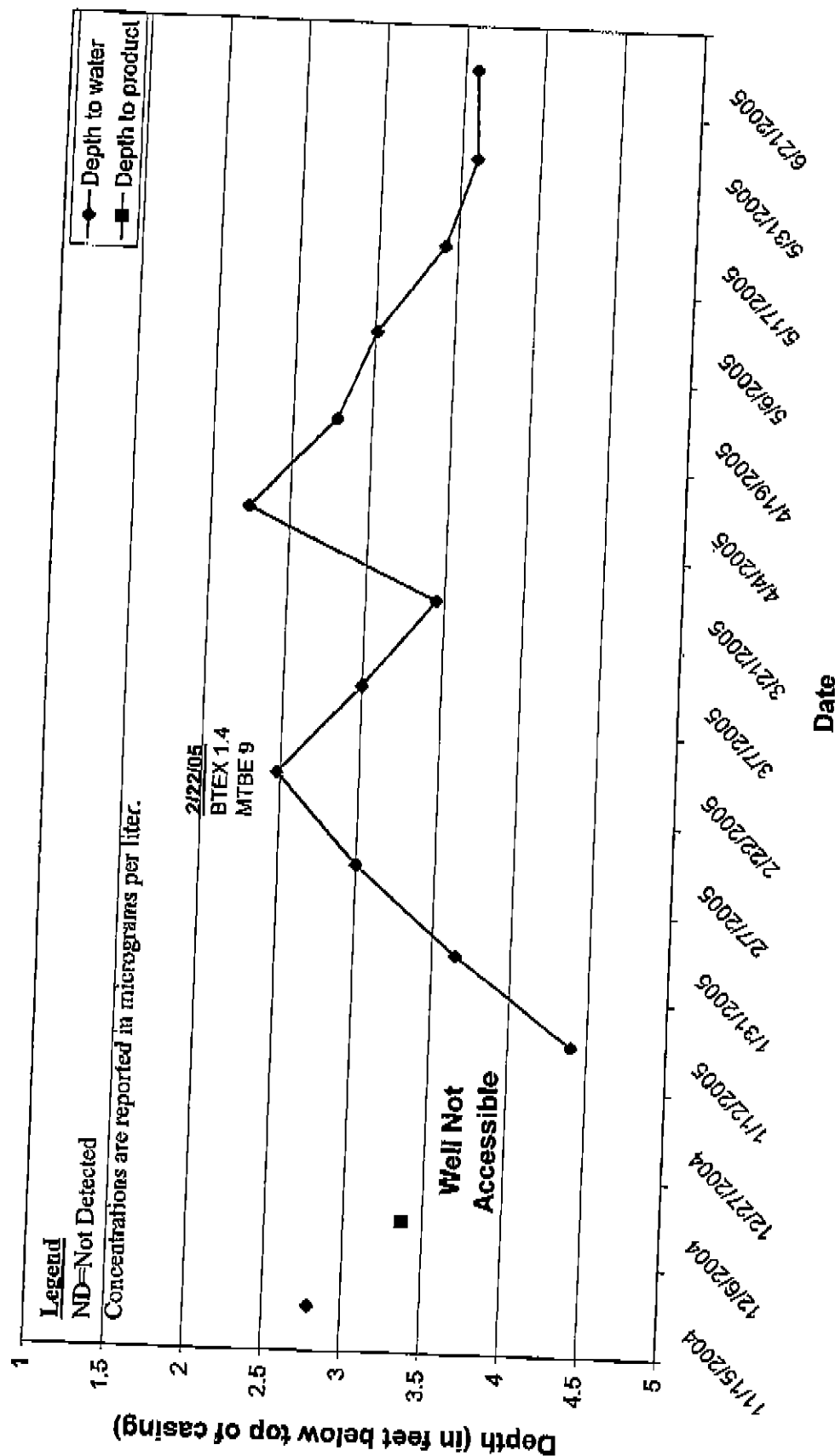
Hydrograph - Well MW-37
200 Morgan Avenue, Brooklyn, NY
NYSDEC Spill No. 92-09135



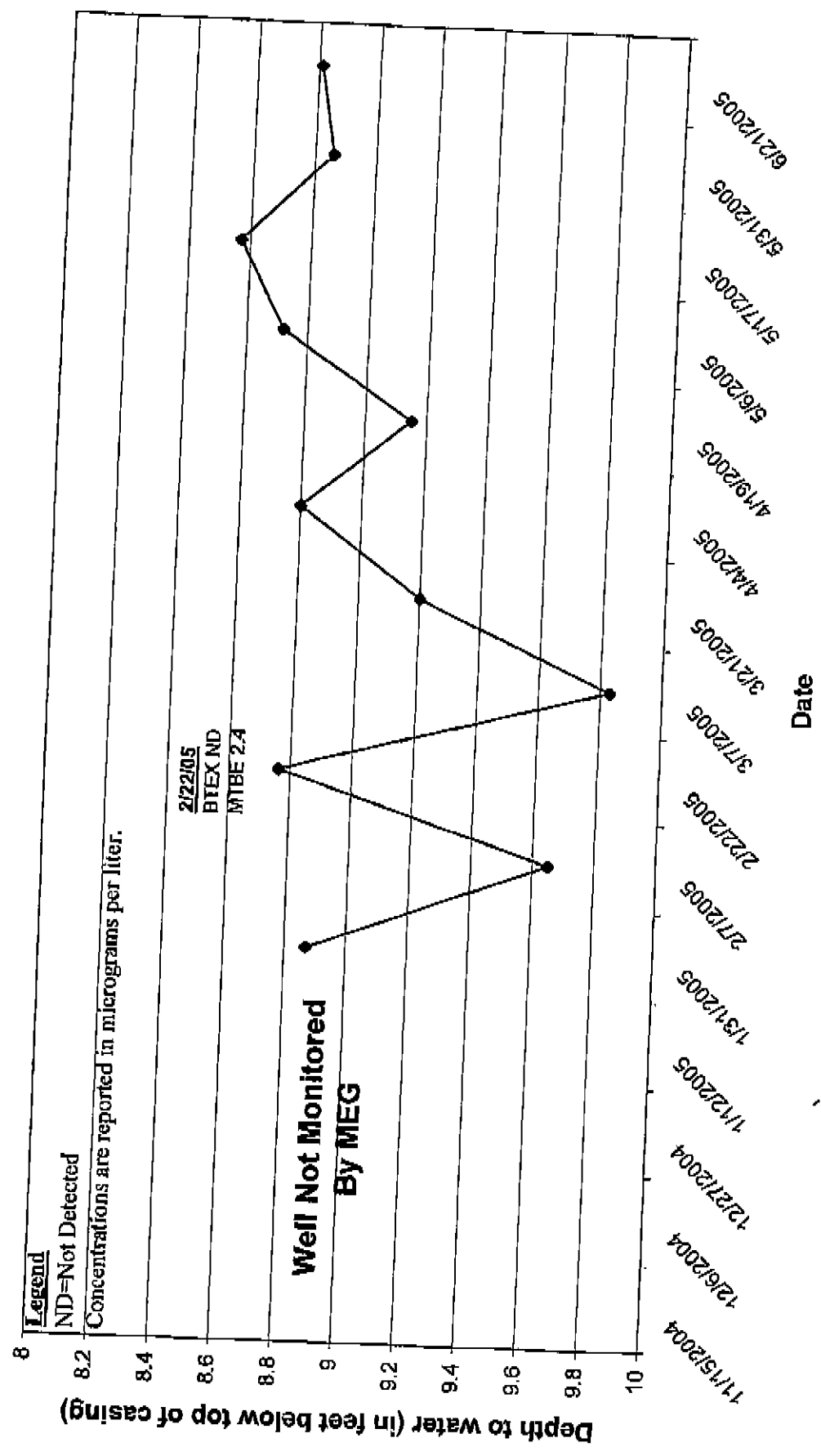
Hydrograph - Well MW-38
200 Morgan Avenue, Brooklyn, NY
NYSDEC Spill No. 92-09135



Hydrograph - Well MW-40
200 Morgan Avenue, Brooklyn, NY
NYSDEC Spill No. 92-09135



Hydrograph - Well MW-46
200 Morgan Avenue, Brooklyn, NY
NYSDEC Spill No. 92-09135



STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

-----X

In the Matter of the Violations of Article 12 of the New York State Navigation Law, Article 17 of the New York State Environmental Conservation Law, and Title 6, Part 613, of the Official Compilation of Codes, Rules and Regulations of the State of New York,

ORDER ON CONSENT

-by-

**NYSDEC File No.
R2-20120806-475**

ENGLISH KILLS VENTURES LLC,

Respondent.

-----X

WHEREAS:

1. The New York State Department of Environmental Conservation (“NYSDEC” or the “Department”) has jurisdiction over the environmental laws of the State of New York pursuant to § 3-0301 of the New York State Environmental Conservation Law (“ECL”), and is authorized to regulate the storage and handling of petroleum, and enforce the containment and remediation of petroleum spills and discharges, in the state pursuant to Article 17 of the ECL, Article 12 of the New York State Navigation Law (“NL”) and Titles 6 and 17 of the Official Compilation of the Codes, Rules and Regulations of the State of New York (“NYCRR”);

2. The Respondent, ENGLISH KILLS VENTURES LLC, is a foreign limited liability company registered with the New York State Department of State, Division of Corporations. The Respondent maintains an address at 5014 16th Avenue, Suite 110, Brooklyn, New York, 11219;

3. The Respondent owns the property located at 200 Morgan Avenue, Brooklyn, New York (the “Site”), having acquired title to the Site on November 26, 2008;

4. The Respondent owns an onshore Major Oil Storage Facility (“MOSF”) at the Site, licensed pursuant to Article 12 of the NL and registered with the Department (the “Facility”) under MOSF License # 2-1500 (the “License”); and

5. The License expired on March 31, 1991. The Facility tanks were registered as in service at the time of expiration, and the Facility has not been permanently closed.

APPLICABLE LAW

6. NL § 174 (2) provides that MOSF licenses shall be subject to terms and conditions deemed necessary by the Department to carry out the provisions of Article 12 of the Navigation Law.

7. NL § 174 (8) requires that every MOSF owner obtain a license, which shall be issued upon a showing that such registrant can provide necessary equipment to prevent, contain and remove discharges of petroleum.

8. MOSF Special License Condition 4 (a) requires that the facility owner shall perform a site assessment to determine if environmental contamination exists on the site. A site assessment proposal is required to be submitted 60 days prior to permanent closure. The site assessment must conform to the procedures set forth in the Department's program policy DER-11, and a site assessment report detailing the findings of the assessment must be submitted no later than 60 days after completion of the assessment.

9. 6 NYCRR 613.1 (b) subjects MOSF facilities to the regulations set forth in 6 NYCRR Part 613.

10. 6 NYCRR 613.9 (b) sets forth the requirements for permanent closure of any bulk storage facility.

11. 6 NYCRR 613.9 (c) requires that the owner of a tank or facility which is to be permanently closed must notify the Department within 30 days prior to the closure of the tank or facility pursuant to the requirements of 6 NYCRR 612.2 (d).

12. NL § 192 provides that a person who violates any of the provisions of NL Article 12 or any rule promulgated thereunder or who fails to comply with any duty created by Article 12, shall be liable for a civil penalty of up to \$25,000 per day for each violation.

13. ECL § 71-1929 provides that a person who violates any of the provisions of ECL Article 17 or any rule promulgated thereunder shall be liable for a civil penalty of up to \$37,500 per day for each violation.

VIOLATIONS

14. By failing to submit a site assessment proposal, perform a site assessment, and submit a site assessment report for the Facility, the Respondent violated NL § 174 and MOSF license Special Condition 4 (a).

15. By failing to properly permanently close the Facility, the Respondent violated 6 NYCRR 613.9 (b).

16. By failing to properly notify the Department of the permanent closure of the Facility, the Respondent violated 6 NYCRR 613.9 (c).

CONSENT

17. In settlement of the Respondent's civil liability for the aforesaid violations, the

Respondent admits the violations set forth herein, waives its right to a hearing herein as provided by law and consents to the issuing and entering of this Order on Consent pursuant to the provisions of NL Article 12, and agrees to be bound by the provisions, terms and conditions herein.

NOW, having considered this matter and being duly advised, it is ORDERED:

I. CIVIL PENALTY

For the violations described above, the Respondent is assessed a civil penalty in the amount of TWENTY-FIVE THOUSAND DOLLARS (\$25,000), which shall be suspended contingent on strict and timely compliance with the requirements of this order. Payment of the civil penalty shall be due immediately upon service on the Respondent of a Notice of Non-compliance, subject to the dispute resolution provision in paragraph II (13) below. Payment shall be made by bank check or certified check, payable to the “Environmental Protection and Spill Compensation Fund” and submitted to John K. Urda, Assistant Regional Attorney, New York State Department of Environmental Conservation, 47-40 21st Street, Long Island City, New York, 11101.

II. CORRECTIVE ACTION PLAN – NYSDEC SPILL NUMBER 9209135

1. If separate phase hydrocarbons are present in groundwater, the Respondent shall have the wells gauged immediately and, if required by the Department, have oil-absorbing “socks” placed in the wells. If socks are placed in the wells, the Respondent will have the socks checked on a regular basis and change as needed, initially weekly, then at a frequency to be determined by the Department.
2. If evidence of petroleum seepage from the Site is noted, the Respondent shall install a containment boom and notify the Department immediately. The boom must be monitored and maintained until Department-approved removal.
3. Within ten days of the effective date of this Order on Consent, the Respondent shall implement the July 29, 2012 Underground Storage Tank Removal Work Plan submitted by GeoQuest, Inc. The Department may require collection of endpoint soil and groundwater samples. The Department must be notified two days prior to backfilling of any part of the excavation so that a Site visit may be scheduled.
4. Within six months of the effective date of this Order, the Respondent shall submit a Tank Removal Report, summarizing the information gathered during the removal of on-Site tank systems (the “TRR”).
5. Within 30 days of submitting the TRR, the Respondent shall submit for Department approval a Remedial Investigation Work Plan (“RIWP”) detailing the scope of work proposed to investigate the nature and full extent of the contamination identified on- and off-Site. The RIWP must include an implementation schedule for performing the investigation and submitting a

Remedial Investigation Report summarizing the information gathered during the investigation (the “RIR”).

6. The Respondent shall submit to the Department all required Petroleum Bulk Storage and Major Oil Storage Facility (“MOSF”) forms indicating the corrected status of the tanks, and shall permanently close MOSF No. 2-1500 by submitting a Site assessment proposal, as required by DER-11, which may be incorporated into the RIWP. After the tanks are permanently closed in accordance with 6 NYCRR Subpart 613.9, the Respondent shall submit an MOSF application showing the status of the tanks.

7. Upon receiving Department approval of the RIWP, the Respondent shall complete the investigation and submit the RIR for Department approval, within the implementation schedule set forth in the RIWP.

8. Within 90 days of receiving Department approval of the RIR, the Respondent shall submit for Department approval a Remedial Action Work Plan (“RAWP”) detailing the work proposed to fully remediate the contamination. The RAWP must include an implementation schedule.

9. Upon receiving Department approval of the RAWP, the Respondent shall implement the RAWP within the implementation schedule set forth therein.

10. Each approved submittal shall be an enforceable part of this Order on Consent. If a submittal is disapproved, the Department shall specify any deficiencies and required modifications in writing. Within 30 days of receipt of the Department’s disapproval notice, the Respondent shall submit a revised submittal which addresses the Department’s comments, correcting all deficiencies identified in the disapproval notice.

11. Any modifications to this Corrective Action Plan must be approved in advance in writing by the Department. The Department reserves the right to require additional investigation and/or remedial action due to environmental conditions related to the subject site and/or spill which were unknown to the Department.

12. In the event the Respondent cannot meet a deadline under this Corrective Action Plan, it may notify the Department as soon as it becomes aware of a problem with meeting the deadline, providing the reason for missing the deadline and requesting a reasonable new date for accomplishing the subject task. The Department shall not unreasonably deny a request for a new deadline.

13. In the event that the Respondent disagrees with a determination made by the Department under this Corrective Action Plan, it may request that the matter in dispute be presented to an administrative law judge, whose decision shall be binding on the parties.

III. MISCELLANEOUS

A. Reservation of Rights: The Department reserves the right to require the Respondent to take any additional measures required by law to protect human health and the environment.

B. Binding Effect: The provisions of this Order on Consent shall be deemed to bind the Respondent, its successors and assigns, and all persons, officers, directors, employees and agents acting under or for the respondent.

C. Satisfaction of Liability: Compliance with all the material terms of this Order on Consent shall satisfy the Respondent's outstanding liability for the violations described above. This Order resolves only those violations specifically described herein and does not relieve the Respondent of liability for any other acts, omissions or violations.

D. Indemnification: The Respondent shall indemnify and hold the Department, the State of New York, and their representatives and employees harmless for all claims, suits, actions, damages and costs resulting from the acts and/or omissions of the Respondent, intentional, negligent, or otherwise, of every nature and description, arising out of or resulting from the compliance or attempted compliance with the provisions of this Order by the Respondent or its employees, servants, agents, successors or assigns.

E. Entire Agreement: This Order constitutes the entire agreement of the parties hereto. No informal advice, guidance, suggestions, plans, schedules or any other writing submitted by the Respondent shall be construed as relieving the Respondent of its obligations to obtain such formal approvals as may be required by this Order. No change in this Order shall be made or become effective except as specifically set forth by written order of the Commissioner, being made either upon written application of the Respondent, or upon the Commissioner's own findings after notice and opportunity to be heard have been given to the Respondent. The Respondent shall have the burden of proving entitlement to any modification requested.

F. Effective Date: The effective date of this Order shall be the date upon which it is signed on behalf of the Department.

DATED: Long Island City, New York
_____, 2012

New York State Department of
Environmental Conservation
JOSEPH J. MARTENS, Commissioner

By: _____
VENETIA A. LANNON
Regional Director, NYSDEC Region 2

CONSENT BY RESPONDENT

ENGLISH KILLS VENTURES LLC hereby consents to the issuing and entering of this Order, waives its right to a hearing herein as provided by law, and agrees to be bound by this Order.

ENGLISH KILLS VENTURES LLC

By (signature): _____

Print name: _____

Title: _____

Date: _____

STATE OF NEW YORK)
) ss:
COUNTY OF _____)

On the _____ day of _____, in the year 2012, before me, the undersigned, personally appeared _____, personally known to me or proved to me on the basis of satisfactory evidence to be the individual whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same as authorized in his/her capacity as _____ of ENGLISH KILLS VENTURES LLC.

NOTARY PUBLIC